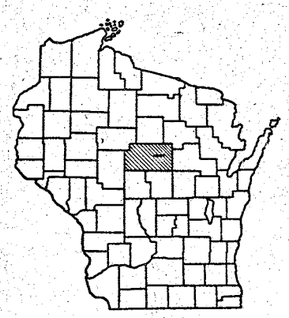
COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT: STATE	CLASS AND AGREEMENT: FEDERAL	B.P.R. REGION DIVISION	SHEET NUMBER	TOTAL SHEETS
37.6	12.0		11.6	4 WIS.	1	84

P 13
T Cal/Mann
P. 2-11-63

INDEX OF SHEETS

SHEET NO. 1 TITLE
SHEET NO.2 &2.1 TYPICAL CROSS SECTIONS
SHEET NO. 3 ESTIMATE OF QUANTITIES
SHEET NO.3A&3B MISCELLANEOUS QUANTITIES
SHEET NO. 4–4.1 ORIGHT OF WAY PLAT
SHEET NO. 5–24 PLAN AND PROFILE STA. 0+00 TO STA. 738+70.9
SHEET NO. 25–30 STANDARD DETAILS
SHEET NO. 31–34 DRAINAGE STRUCTURES
SHEET NO. 35–59 I.B.M. COMPUTATION SHEETS
SHEET NO. 60–84 CROSS SECTION SHEETS



STATE OF WISCONSIN

STATE HIGHWAY COMMISSION OF WISCONSIN

PLAN AND PROFILE OF PROPOSED

WAUSAU — BIRNAMWOOD ROAD

C.T.H. "N"

MARATHON COUNTY

PROJECT S012(6)

APPROVED FOR
Marathon County
5/22/62 Date — Lyle Tuller County Highway Commissioner Title

SCALES { PLAN 1 IN. = 100 FT.
PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.
CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.

BEGINNING OF PROJECT S012(6)
STA. 0+00
BEGINNING OF SECTION 1
S.W. CORNER OF SECTION 31, T29N, R8E

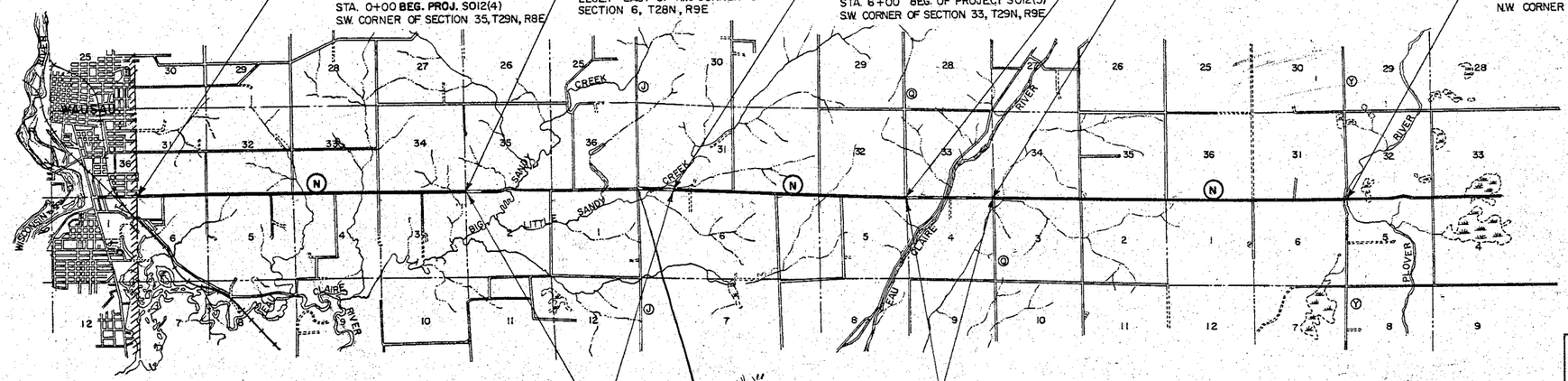
END OF SECTION 1
STA. 199+80 =
STA. 0+00 BEG. PROJ. S012(4)
S.W. CORNER OF SECTION 35, T29N, R8E

BEGINNING OF SECTION 2
STA. 327+78.2 =
STA. 128+00 PROJECT S012(4)
2262.7' EAST OF N.W. CORNER OF SECTION 6, T28N, R9E

END OF SECTION 2
STA. 470+01.0=
STA. 6+00 BEG. OF PROJECT S012(3)
S.W. CORNER OF SECTION 33, T29N, R9E

BEGINNING OF SECTION 3
STA. 522+73.5=
STA. 58+72.5 END OF PROJECT S012(3)
S.E. CORNER OF SECTION 33, T29N, R9E

END OF PROJECT S012(6)
STA. 738+70.9
END OF SECTION 3
=STA. 16+98.25 BEG. OF PROJECT S012(2)
L75' WEST OF
N.W. CORNER OF SECTION 5, T28N, R10E



STA. 199+80 TO STA. 327+78.2
EXCEPTION TO NET ℄ LENGTH

"S" 305+15.5

STA. 470+01.0 TO STA. 522+73.5
EXCEPTION TO NET ℄ LENGTH

CONVENTIONAL SIGNS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
NEW RIGHT OF WAY LINE
PRESENT RIGHT OF WAY LINE
WIRE FENCE { WOVEN, BARBED
LOT LINE
OR CITY LIMITS
LINE P.L. + 32.6
ED WAY OR P.E.
OADS
OR SURVEY LINE 30
CH DAM

CULVERTS IN PLACE
CULVERTS REQUIRED
DROP INLET
POWER POLE
TELEPHONE OR TELEGRAPH POLE
RIGHT OF WAY MARKERS
REFERENCE STAKE FOR HUBS ONLY +91.7 259.9
MARSH
HEDGE
TREES
GROUND ELEVATION ..... DATUM LINE 739
GRADE ELEVATION ..... DATUM LINE 756

LAYOUT

SCALE 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 10.549 MI.

Work Sheet
Sheet # 20

STATE HIGHWAY COMMISSION OF WISCONSIN
MADISON, WIS.

SURVEYOR R.J.S. NOTE BOOK 4716, 4717, 4718
DIVISION COMPUTER A.J.J. M. O. CHECKER W.H.B.
DISTRICT CHECKER H.R.B. CORRECT

CORRECT:
DATE 4/16/62 — DISTRICT ENGINEER

RECOMMENDED FOR APPROVAL:
DATE 4/17/62 — ENGINEER OF DESIGN

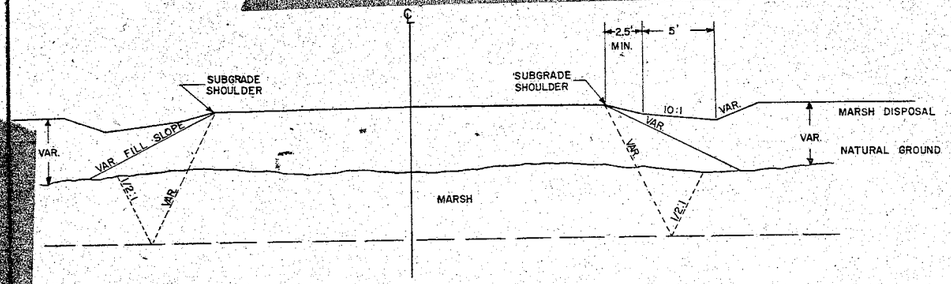
APPROVED:
DATE 4/27/62 — STATE HIGHWAY ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

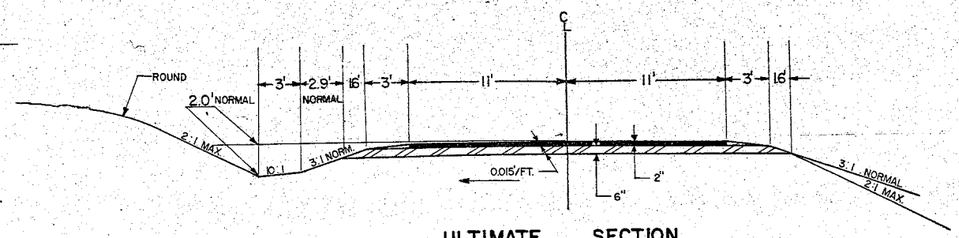
APPROVED:
DATE

ENGINEER

PROJECT	SHEET NUMBER	TOTAL SHEETS
S012(6)	2	84



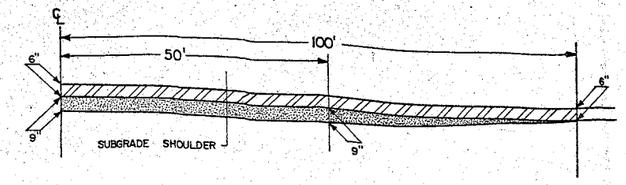
TYPICAL MARSH SECTION
STA. 662+00 TO STA. 668+28



ULTIMATE SECTION
SIDE ROAD

SECTION 1
LINE
"D" LT. & RT.

SECTION 3
LINE
"K" RT.

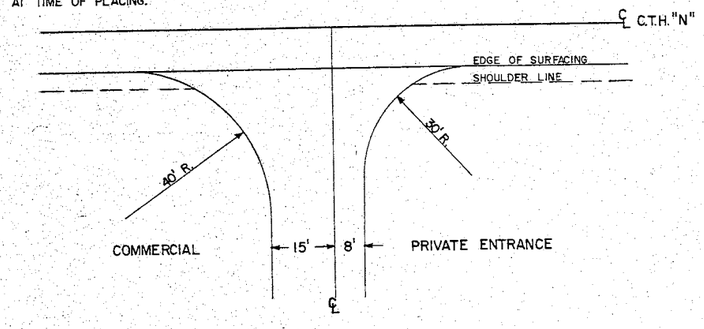


PROFILE SHOWING GRANULAR SUBBASE COURSE RUNOUT AT SIDE ROADS

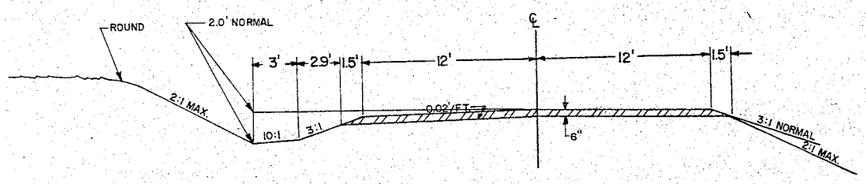
GENERAL NOTES:

WHEN THE QUANTITY OF THE ITEMS OF SUBBASE, BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON OR BY THE CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND UPON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

SALVAGED TOPSOIL, WHERE REQUIRED, TO BE PLACED TO AN APPROXIMATE DEPTH OF 3" AT TIME OF PLACING.



TYPICAL HALF SECTION FOR ENTRANCES

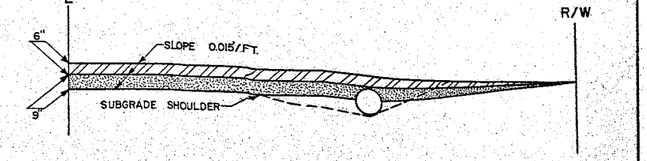


ULTIMATE SECTION
SIDE ROAD

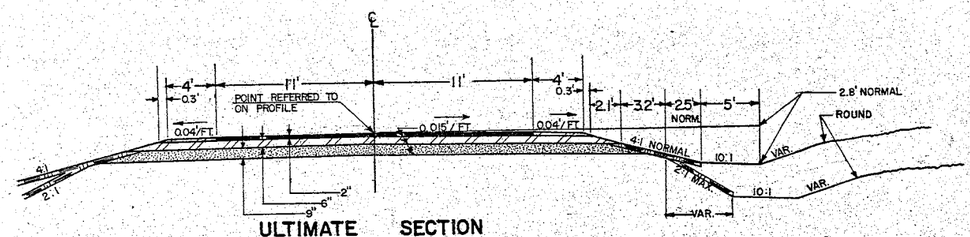
SECTION 1
LINE
"B" RT.
"C" RT.
"E" RT.
"F" LT.
"G" RT.
"H" LT. & RT.
"J" RT.

SECTION 2
LINE
"A" LT.
"B" RT.
"C" LT.
"D" RT.

SECTION 3
LINE
"G" LT. & RT.
"H" LT. & RT.
"I" LT. & RT.
"J" LT.
"K" LT.



PROFILE SHOWING GRAVEL OR CRUSHED STONE BASE COURSE AND GRANULAR SUBBASE COURSE RUNOUT AT PRIVATE ENTRANCES



ULTIMATE SECTION
C.T.H. "N"

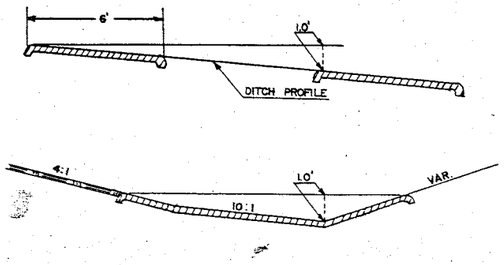
LEGEND

- BITUMINOUS SURFACING *
- GRAVEL OR CRUSHED STONE BASE COURSE
- GRANULAR SUBBASE COURSE
- 3" SALVAGED TOPSOIL (SEED & FERTILIZE)

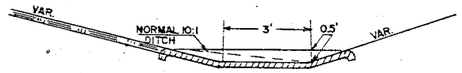
* NOT A PART OF THIS CONTRACT

TYPICAL CROSS SECTION
FOR
30' ROADWAY

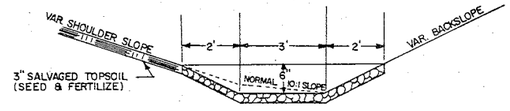
PROJECT	SHEET NUMBER	TOTAL SHEETS
S012(6)	2.1	84



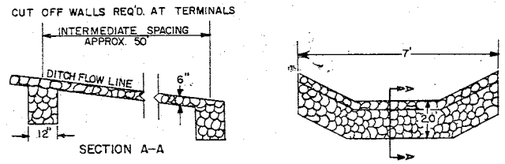
SOD DITCH CHECKS



SOD DITCH



PAVED DITCH

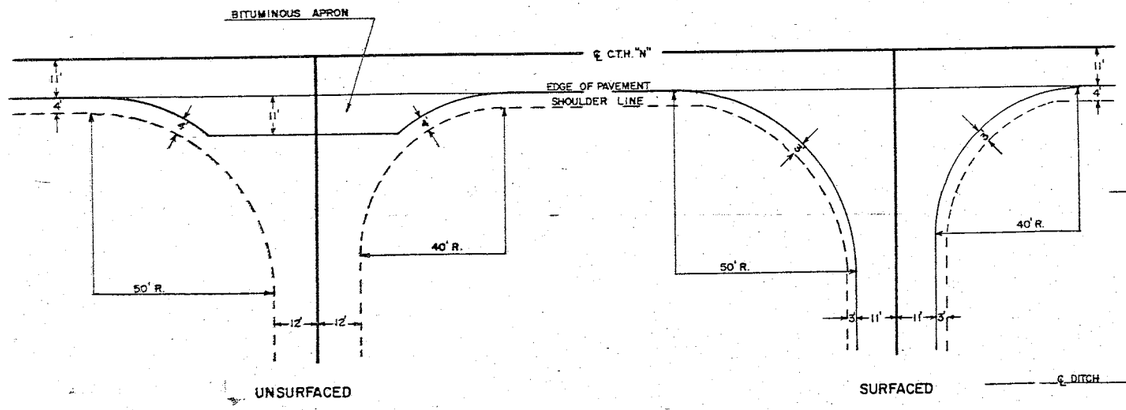


CUT OFF WALLS

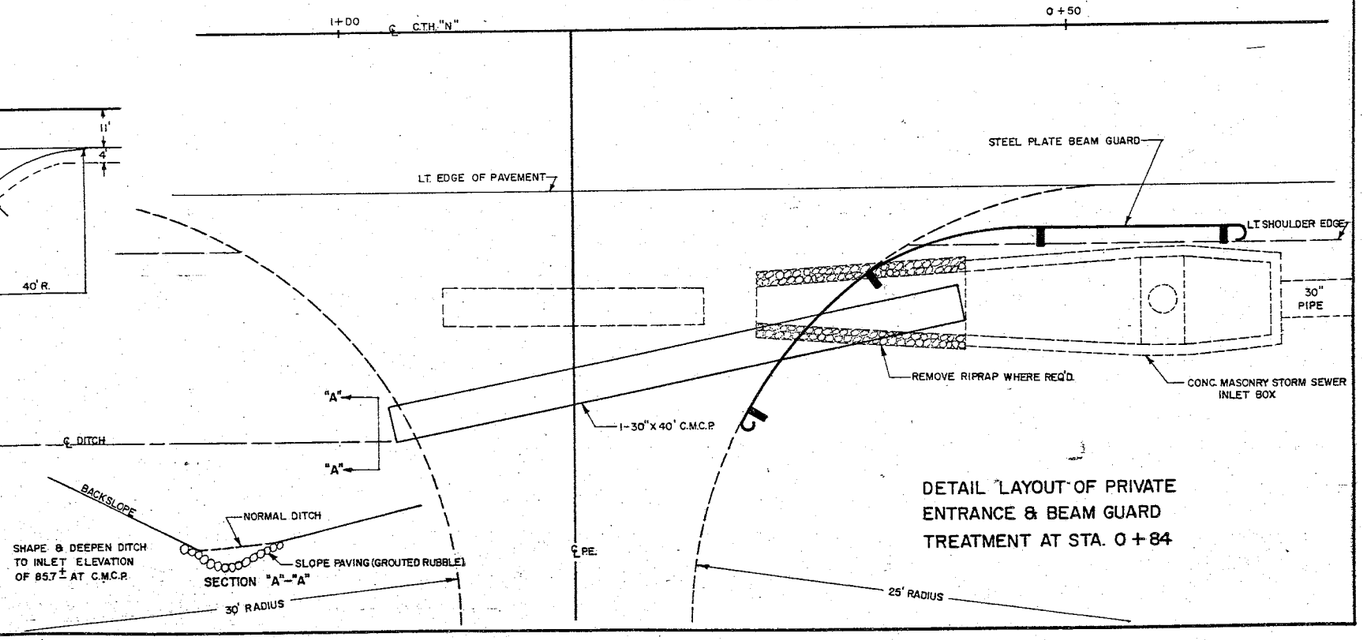
SLOPE PAVING (GROUTED RUBBLE)

APPLICABLE STANDARD DETAIL DRAWINGS

6-2.4.2	MORTAR RUBBLE MASONRY OR RIPRAP FOR CULVERT AND CATTLE PASS END WALLS
6-2.5.1	RIPRAP AT SIDE ROAD CULVERTS AND RIPRAP OR SOD AT PRIVATE ENTRANCE CULVERTS
6-5.3.1	STRUCTURAL PLATE PIPE ARCH AND CORRUGATED METAL PIPE ARCH
7-1.3.3	MARKER POSTS AND MARKER POSTS FOR RIGHT OF WAY
7-2.4.8	STEEL PLATE BEAM GUARD AND STEEL BEAM MEDIAN GUARD
7-4.1.2	CONSTRUCTION BARRICADE



TYPE "F" INTERSECTIONS



DETAIL LAYOUT OF PRIVATE ENTRANCE & BEAM GUARD TREATMENT AT STA. 0+84

ESTIMATE OF QUANTITIES

CONTRACT NO. 1&2

B. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
4	S 012(6)	3	84

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN — EDITION OF 1957, APPROVED AUGUST 9, 1957; AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		GRUBBING		REMOVING OLD CULVERT		REMOVING OLD BRIDGE		EXCAVATION				GRANULAR BACK-FILL	FINISHING ROADWAY	OBLITERATING OLD ROAD	GRANULAR SUBBASE COURSE	CONCRETE		GRAVEL OR CRUSHED STONE BASE COURSE	CONCRETE PAVEMENT		CONCRETE DRIVEWAYS	CONCRETE HEADERS	CONCRETE SURFACE DRAINS	CONCRETE PAVEMENT REINF.	PREP. ROADBED FOR BITUM. SURF.	BITUM. MAT. FOR PRIME COAT	SINGLE AGGREGATE BITUMINOUS SURFACE	BITUMINOUS CONCRETE PAVEMENT	BITUM. MAT. FOR SURFACE COURSE
							STA.		STA.		UNCL.	ROCK	MARSH	BORROW					BASE COURSE			IN STOCK PILES										
	ITEM NO.		2101-1	2101-2	2101-4	2101-5	2104-1		2104-21		2106-5	2106-2	2106-4	2109-1	2110-1	2114-1	2116-1	2201-1	2202-1		2203-1	220	2301-1	2301-	2301-7	2301-9	2301-10	2301-11	2310-1	2311-1	2315-1	2317-1	23
	UNIT	LIN. FT.	STA.	IN. DIA.	STA.	IN. DIA.	L.S.		L.S.		C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	L.S.	STA.	CU. YD.	SQ.YD.		TON		SQ.YD.	SQ.YD.	SQ.YD.	SQ.YD.	C.Y.	SQ.YD.	STA.		TON	TON	
1	0+00.0 — 199+80.0	19,980.0	50		56						65,306		—	3,039		0.3		24,451			26,793											
2	327+78.2 — 470+01.0	14,122.8	12		14						36,417		—	6,957		0.3		17,170			18,420											
3	522+73.5 — 738+70.9	21,597.4	82		97						72,131		7,772	3,811		0.4		26,125			28,532											
	TOTALS	55,700.2	144		167						173,854		7,772	13,807		1		67,746			73,745											
	CONTRACT NO.		①		①						①		①	①		①		①			②											

BRIDGES (STRUCTURES OVER 20FT. SPAN)

SEC. NO.	STRUCTURE NUMBER	REMOVING OLD BRIDGE STA. 136+48	EXCAVATION FOR STRUCTURES	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL CARBON STEEL	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	UNTREATED TIMBER PILING DELIVERED	UNTREATED TIMBER PILING DRIVEN	TREATED TIMBER PILING DELIVERED	TREATED TIMBER PILING DRIVEN	CONC. TEST PILING	CONCRETE PILING DELIVERED	CONCRETE PILING DRIVEN	CAST-IN-PLACE CONC TEST PILING	CAST-IN-PLACE CONCRETE PILING DELIVERED	CAST-IN-PLACE CONCRETE PILING DRIVEN	FLOOR DRAINS	RIP-RAP	SLOPE PAVING
		2104-21	2107-1	2401-1	2406-1	2407-1	2407-9	2407-11	2408-2	2501-1	2501-2	2501-3	2501-4	2501-5	2502-1	2502-2	2502-3	2505-1	2505-2	2505-3	2508-1	2512-1	2515-1
		L.S.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	L.S.	LIN.FT.	LIN.FT.	L.S.	LIN.FT.	LIN.FT.	EACH	C.Y.	SQ.YD.
1	B-37-80	1	135	169.8	29,490																		
	TOTALS	1	135	169.8	29,490																		
	CONTRACT NO.	①	①	①	①																		

CULVERTS (STRUCTURES 20FT. SPAN & UNDER)

SEC. NO.	CULVERT NUMBER	REMOVING OLD CULV'T STA. 101+94	REMOVING OLD CULV'T STA. 529+43	COMMON EXC.	EXCAVATION FOR STRUCTURES	GRANULAR BACK FILL	CONCRETE MASONRY	BAR STEEL REINF.	STRUCTURAL CARBON STEEL	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TIMBER TEST PILING	TREATED TIMBER PILING DELIVERED	TREATED TIMBER PILING DRIVEN	FLOOR DRAINS	RIP-RAP
		2104-1	2104-2	2106-1	2107-2	2110-1	2404-1	2405-2	2407-1	2407-9	2407-11	2408-2	2501-1	2501-4	2501-5	2508-1	2512-1
		L.S.	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN.FT.	LIN.FT.	EACH	C.Y.
1	C-37-30	1			60		84.0	7,890									
3	C-37-32		1		190		118.4	11,560									
	TOTALS	1	1		250		202.4	19,450									
	CONTRACT NO.	①	①		①		①	①									

SEC. NO.	CULVERT PIPE 18"	24"	30"	36"	REINF. CONC. CULVERT PIPE 48"	CORRUGATED METAL CULVERT PIPE 18"	24"	30"	CORRUGATED METAL PIPE ARCH 29"X18"	36"X22"	43"X27"	50"X31"	RIP-RAP	HEAVY RIPRAP	SLOPE PAVING GROUTED RUBBLE	DITCH CHECKS		PIPE UNDER DRAIN	STORM SEWER				CATCH BASINS		MANHOLES		INLETS		CONCRETE CURB	CONCRETE CURB AND GUTTER	CONCRETE SIDE WALKS	CABLE GUARD FENCE	STEEL PLATE BEAM GUARD	MARKER POSTS	MARKER POSTS FOR R-O-W	ANCHORAGES FOR CABLE GUARD FENCE	CALCIUM CHLORIDE SURFACE TREATMENT	SALVAGED TOPSOIL	FERTILIZER	SEEDING	SODDING	MARKER POSTS
	2411-1	2411-2	2411-3	2411-4	2411-11	2411-21	2411-22	2411-23	2411-31	2411-32	2411-33	2411-34	2512-1	2512-2	2515-1	2515-2	2516-	2517-1	2519-	2519-	2519-	2519-	2520-	2520-	2520-	2520-	2520-	2520-	2521-1	2521-11	2522-1	2523-	2523-3	2523-5	2523-6	2523-7	2525-1	2528-2	2531-1	2532-1	2533-1	2523-5
	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	L.N.FT	LIN.FT.	LIN.FT.	LIN.FT.	C.Y.	C.Y.	SQ.YD.	SQ.YD.	C.Y.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	LIN.FT.	EACH	EACH	EACH	EACH	EACH	EACH	LIN.FT.	LIN.FT.	SQ.FT.	LIN.FT.	LIN.FT.	EACH	EACH	EACH	TON	SQ. YD.	CWT.	SQ.YD.	SQ.YD.	EACH
1	890	306	108	52	42	182	148	40	—	46	—	—	54		1,740																	846	16	72			38,458	35	38,458	6,753	57
2	310	394	—	56	—	—	—	—	44	—	—	120	25		—																	—	14	37			31,085	28	31,085	1,069	24
3	636	686	—	56	—	78	—	54	—	—	52	52	28		—																	—	20	61			43,736	39	43,736	1,178	97
	TOTALS	1,836	1,386	108	164	42	260	148	94	44	46	52	172	107		1,740																	846	50	170			113,279	102	113,279	9,000	178
	CONTRACT NO.	①	①	①	①	①	①	①	①	①	①	①	①	①		①																	②	①	①			①	①	①	①	②

DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

* AS SHOWN ELSEWHERE ON THIS SHEET
‡ OUT OF SEQUENCE

PROJECT	SHEET NUMBER	TOTAL SHEETS
S012(6)	3A	89

CLEARING & GRUBBING

STATION TO STATION	STATIONS CLEARING	STATIONS GRUBBING
SECTION 1		
1+00 — 2+00	1	1
6+00 — 9+00	3	3
22+00 — 24+00	2	2
37+00 — 38+00	1	1
43+00 — 44+00	1	1
48+00 — 50+00	2	2
55+00 — 74+00	19	19
11"F"+00 — 12"F"+00	1	1
96+00 — 97+00	1	1
106+00 — 109+00	3	3
113+00 — 115+00	—	2
127+00 — 128+00	1	1
8"H"+00 — 9"H"+00	1	1
156+00 — 158+00	2	2
165+00 — 167+00	2	2
9"J"+00 — 10"J"+00	1	1
176+00 — 177+00	1	1
187+00 — 191+00	—	4
191+00 — 195+00	4	4
197+00 — 200+00	3	3
‡80+00 — 81+00	1	1
SECTION 2		
328+00 — 329+00	1	1
331+00 — 332+00	—	1
368+00 — 371+00	3	3
379+00 — 380+00	1	1
395+00 — 397+00	2	2
407+00 — 409+00	2	2
433+00 — 436+00	3	3
448+00 — 449+00	—	1
SECTION 3		
8"F"+00 — 9"F"+00	—	1
523+00 — 524+00	1	1
525+00 — 526+00	—	1
527+00 — 528+00	1	1
532+00 — 533+00	1	1
535+00 — 540+00	5	5
547+00 — 548+00	1	1
549+00 — 550+00	—	1
553+00 — 554+00	1	1
566+00 — 567+00	1	1
571+00 — 574+00	3	3
11"G"+00 — 12"G"+00	—	1
577+00 — 578+00	—	1
580+00 — 581+00	—	1
584+00 — 585+00	1	1
590+00 — 592+00	2	2
599+00 — 600+00	1	1
607+00 — 608+00	—	1
609+00 — 612+00	3	3
612+00 — 614+00	—	2
615+00 — 616+00	—	1
617+00 — 618+00	—	1
622+00 — 623+00	1	1
626+00 — 627+00	—	1
637+00 — 645+00	8	8
647+00 — 649+00	2	2
652+00 — 653+00	1	1
654+00 — 683+00	29	29
8"I"+00 — 9"I"+00	1	1
689+00 — 693+00	4	4
697+00 — 700+00	3	3
700+00 — 701+00	—	1
706+00 — 707+00	1	1

CLEARING & GRUBBING

STATION TO STATION	STATIONS CLEARING	STATIONS GRUBBING
719+00 — 721+00	2	2
725+00 — 726+00	1	1
727+00 — 728+00	—	1
728+00 — 732+00	4	4
735+00 — 736+00	—	1
736+00 — 738+00	2	2
8"K"+00 — 9"K"+00	1	1
11"K"+00 — 12"K"+00	1	1

GRANULAR SUBBASE

STATION TO STATION	LOCATION	CU.YD.
SECTION 1		
0 + 00 — 199 + 80	ROADWAY	22,849
	* S.R.'S	774
	* P.E.'S	828
SECTION 2		
327 + 78.2 — 470 + 01	ROADWAY	16,468
	* S.R.'S	390
	* P.E.'S	312
SECTION 3		
522 + 73.5 — 738 + 70.9	ROADWAY	24,898
	* S.R.'S	621
	* P.E.'S	606

GRAVEL OR CRUSHED STONE BASE COURSE

STATION TO STATION	LOCATION	TON
SECTION 1		
0 + 00 — 199 + 80	ROADWAY	24,198
	* S.R.'S	1,660
	* P.E.'S	935
SECTION 2		
327 + 78.2 — 470 + 01	ROADWAY	17,440
	* S.R.'S	620
	* P.E.'S	360
SECTION 3		
522 + 73.5 — 738 + 70.9	ROADWAY	26,368
	* S.R.'S	1,474
	* P.E.'S	690

ENTRANCES AND SIDEROADS

STATION	SIDE LT.	SIDE RT.	CULVERT PIPE DIA. IN.	CULVERT PIPE LIN. FT.	CULVERT PIPE TYPE	RIPRAP CU.YD.	BASE COURSE TON	GRANULAR SUBBASE CU.YD.
SECTION 1								
0 + 84	P.E.		30	40	C.M.C.P.	4.0	20	18
1 + 82		P.E.	24	24	C.M.C.P.	2.0	20	18
5 + 03	P.E.		24	24	C.M.C.P.	2.0	20	18
7 + 78		P.E.	18	26	C.M.C.P.	1.4	20	18
8 + 67		P.E.	18	26	C.M.C.P.	1.4	20	18
"B" LINE		S.R.					104	78
22 + 93		P.E.	18	26	C.P.		20	18
24 + 30		P.E.	18	26	C.P.		20	18
25 + 60		P.E.	18	26	C.P.		20	18
27 + 39		P.E.	18	26	C.P.		20	18
"C" LINE		S.R.					218	78
33 + 55		P.E.	18	26	C.P.		20	18
34 + 86	P.E.		18	26	C.P.		20	18
34 + 91		P.E.	18	26	C.P.		20	18
37 + 74		P.E.	18	26	C.P.		20	18
38 + 50	P.E.		18	26	C.P.		20	18
"D" LINE	S.R.	S.R.					401	150
8"D" + 70		P.E.	18	26	C.P.		20	18
9"D" + 72		S.R.	24	56	C.P.	2.0		
10"D" + 28	S.R.		24	56	C.P.	2.0		
44 + 50	P.E.		18	26	C.P.		20	18
46 + 92		P.E.	18	26	C.P.		20	18
48 + 87		P.E.					20	18
49 + 85		P.E.	18	26	C.P.		20	18
51 + 62		P.E.	18	26	C.P.		20	18
53 + 38		P.E.	18	26	C.P.		20	18
54 + 94		P.E.	18	26	C.P.		20	18
56 + 80	P.E.		18	26	C.P.		20	18
61 + 20		P.E.	18	26	C.P.		20	18
72 + 70	P.E.		18	26	C.P.	1.4	20	18
84 + 32	P.E.		18	26	C.P.		20	18
84 + 32		P.E.	18	26	C.P.		20	18
"E" LINE		S.R.					104	78
"F" LINE	S.R.						104	78
10"F" + 28	S.R.		24	52	C.M.C.P.	2.0		
94 + 88		P.E.	24	24	C.M.C.P.	2.0	20	18
99 + 59		P.E.	24	24	C.M.C.P.	2.0	20	18
105 + 39	P.E.		24	24	C.P.	2.0	20	18
105 + 57		P.E.					20	18
107 + 90		P.E.	18	26	C.M.C.P.		20	18
110 + 07		P.E.	18	26	C.M.C.P.		20	18
114 + 39	P.E.		18	26	C.M.C.P.	1.4	20	18
"G" LINE		S.R.					199	78
9"G" + 72		S.R.	18	54	C.P.			
121 + 74	P.E.		18	26	C.P.		35	18
124 + 21	P.E.		18	26	C.P.		20	18
128 + 98		P.E.	18	26	C.M.C.P.		20	18
139 + 30		P.E.	24	24	C.P.	2.0	20	18
"H" LINE	S.R.	S.R.					303	156
9"H" + 72		S.R.	18	56	C.P.	2.0		
154 + 95		P.E.	18	26	C.P.		20	18
166 + 89		P.E.	18	26	C.M.C.P.	1.4	20	18
176 + 58	P.E.		18	26	C.P.		20	18
176 + 58		P.E.	18	26	C.P.		20	18
"J" LINE		S.R.					227	78
194 + 45		P.E.	18	26	C.P.		20	18
196 + 44		P.E.	18	26	C.P.		20	18
199 + 75	P.E.		18	26	C.P.		20	18
‡ 23 + 64	P.E.		18	26	C.P.		20	18
SECTION 2								
328 + 31		P.E.	18	26	C.P.		20	18
336 + 97		S.R.	24	52	C.P.		104	78
348 + 75		P.E.	24	24	C.P.	2.0	20	18
361 + 08	P.E.		18	26	C.P.		20	18
"A" LINE	S.R.						104	78

ENTRANCES AND SIDEROADS

STATION	SIDE LT.	SIDE RT.	CULVERT PIPE DIA. IN.	CULVERT PIPE LIN. FT.	CULVERT PIPE TYPE	RIPRAP CU.YD.	BASE COURSE TON	GRANULAR SUBBASE CU.YD.
369 + 68		P.E.	18	26	C.P.		20	18
379 + 60	P.E.		18	26	C.P.		20	18
380 + 92		P.E.					20	18
389 + 00		COMM. P.E.					40	30
"B" LINE		S.R.					104	78
396 + 25		COMM. P.E.	18	50	C.P.		40	30
407 + 33	P.E.		18	26	C.P.		20	18
407 + 91		P.E.	18	26	C.P.		20	18
"C" LINE	S.R.						104	78
"D" LINE		S.R.					104	78
9"D" + 72		S.R.	24	52	C.P.	2.0		
432 + 94	P.E.		18	26	C.P.		20	18
434 + 20		P.E.	18	26	C.P.		20	18
462 + 51	P.E.						20	18
462 + 51		P.E.					20	18
469 + 08	P.E.		18	26	C.P.		20	18
"E" LINE	S.R.	S.R.					100	—
‡ 369+87	P.E.		18	26	C.P.		20	18
SECTION 3								
527 + 65	P.E.		18	26	C.P.		20	18
544+60	P.E.		18	26	C.P.		20	18
544 + 60		P.E.	18	26	C.P.		20	18
552 + 13	P.E.		18	26	C.P.		20	18
570 + 57		P.E.	18	26	C.P.		20	18
573 + 33	P.E.		18	26	C.P.		20	18
"G" LINE	S.R.	S.R.					398	156
9"G" + 75		S.R.	24	58	C.P.			
583+ 52	P.E.		24	24	C.P.		20	18
584 + 07	P.E.		24	24	C.P.		20	18
586 + 44		P.E.	24	24	C.P.		20	18
589+ 00		P.E.	18	26	C.P.		20	18
591 + 20	P.E.		18	26	C.P.		20	18
598 + 45	P.E.						20	18
603 + 25	P.E.		18	26	C.P.		20	18
610+ 66	P.E.		18	26	C.P.		20	18
610+ 80		P.E.	18	26	C.P.		20	18
611 + 91	COMM. P.E.		18	50	C.P.		40	30
623 + 43		P.E.					20	18
"H" LINE	S.P.						199	78
10"H"+ 28	S.R.		24	52	C.P.			
634 + 71	P.E.		18	26	C.P.		20	18
646 + 35		P.E.	24	24	C.P.		20	18
646+ 50	P.E.		24	24	C.P.		20	18
651 + 13	P.E.		18	26	C.M.C.P.	1.3	20	18
653+ 79	P.E.		18	26	C.M.C.P.	1.3	20	18
655+ 35	P.E.		18	26	C.M.C.P.	1.4	20	18
660+ 63		P.E.	18	26	C.P.		20	18
680+ 21	P.E.		18	32	C.P.		30	18
688+ 38		P.E.	18	28	C.P.		20	18
"I" LINE	S.R.	S.R.					303	156
10"I"+ 32	S.R.		18	58	C.P.			
691+ 05	P.E.						20	18
697+ 58		P.E.	18	26	C.P.		20	18
704+ 16	P.E.		18	26	C.P.		20	18
"J" LINE	S.R.						152	78
707+ 47	P.E.		18	26	C.P.		20	18
719+ 28		P.E.	18	26	C.P.		20	18
719+ 31	P.E.		18	26	C.P.		20	18
727+ 50		P.E.	24	28	C.P.		20	18
"K" LINE	S.R.	S.R.					422	153
9"K"+ 72		S.R.	24	52	C.P.	2.0		

℄ PIPE CULVERTS

STATION	DIAMETER OR SPAN BY RISE INCHES	LENGTH LIN. FT.	TYPE	REMARKS	RIP RAP	MARKERS
SECTION 1						
31 + 08	36	52	C.P.		3.2	2
40 + 69	30	60	C.P.		2.6	2
56 + 33	30	48	C.P.		2.8	2
76 + 25	24	52	C.P.		2.0	2
81 + 00	24	48	C.P.		2.4	2
169 + 98	36 X 22	46	C.M.P.A.		2.4	2
173 + 00	24	46	C.P.		2.4	2
191 + 33	48	22	R.C.C.P.	EXTENSION RT.	2.6	1
191 + 33	48	20	R.C.C.P.	EXTENSION LT.	2.6	1
SECTION 2						
330 + 83	36	56	C.P.		3.6	2
364 + 02	29X 18	44	C.M.P.A.		1.8	2
384 + 54	24	74	C.P.		2.0	2
402 + 02	24	70	C.P.		2.0	2
415 + 90	24	56	C.P.		2.4	2
419 + 40	50 X 31	60	C.M.P.A.		3.6	1
419 + 40	50 X 31	60	C.M.P.A.		3.6	1
456 + 60	24	66	C.P.		2.0	2
SECTION 3						
558 + 52	24	60	C.P.		2.0	2
578 + 78	24	66	C.P.		2.0	2
606 + 32	36	56	C.P.		3.2	2
615 + 31	24	66	C.P.		2.0	2
631 + 76	24	56	C.P.		2.4	2
636 + 93	50 X 31	52	C.M.P.A.		3.2	2
679 + 84	24	66	C.P.		2.0	2
689 + 98	24	62	C.P.		2.0	2
716 + 75	43 X 27	52	C.M.P.A.		3.2	2
‡ 665 + 71	30	54	C.M.C.P.		—	2

PROJECT	SHEET NUMBER	TOTAL SHEETS
S012(6)	3B	84

DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

CONTRACT NO. 2

EROSION CONTROL

STATION TO STATION	LOCATION	SOD SQ.YD.	S.P.G.R. SQ.YD.	TYPE
SECTION 1				
0+00 — 1+79	RT.		139	PAVED DITCH
1+95 — 7+65	RT.	443		SOD DITCH
0+97 — 4+90	LT.		309	PAVED DITCH
5+16 — 13+00	LT.	610		SOD DITCH
23+76 — 28+25	LT.	56		DITCH CHK.
36+00 — 37+63	RT.	33		" "
36+00 — 38+37	LT.	47		" "
38+63 — 40+68	LT.	33		" "
42+44 — 46+00	LT.	75		" "
72+00 — 76+24	RT.	84		" "
72+83 — 76+24	LT.	103		" "
86+00 — 94+39	LT.	233		" "
86+00 — 94+75	RT.	252		" "
94+91 — 98+00	LT.	240		SOD DITCH
95+01 — 99+46	RT.	346		" "
98+00 — 101+65	LT.		284	PAVED DITCH
101+80 — 105+23	LT.		267	" "
105+52 — 114+26	LT.	680		SOD DITCH
114+52 — 120+00	LT.	191		DITCH CHK.
116+50 — 118+00	RT.	51		" "
126+00 — 133+00	LT.	544		SOD DITCH
129+11 — 133+41	RT.	334		SOD DITCH
133+00 — 137+20	LT.		327	PAVED DITCH
137+40 — 140+00	LT.	202		SOD DITCH
139+43 — 143+00	RT.	278		SOD DITCH
143+00 — 147+00	RT.	131		DITCH CHK.
140+00 — 146+50	LT.	187		" "
147+32 — 153+00	LT.	140		" "
147+39 — 153+00	RT.	126		" "
160+00 — 164+00	LT. & RT.	205		" "
164+00 — 168+00	LT. & RT.	622		SOD DITCH
168+00 — 169+98	LT. & RT.		308	PAVED DITCH
180+00 — 187+00	RT.	140		DITCH CHK.
187+00 — 190+00	RT.	233		SOD DITCH
190+00 — 191+36	RT.		106	PAVED DITCH
191+28 — 193+00	LT.	134		SOD DITCH
SECTION 2				
337+23 — 348+63	RT.	154		DITCH CHK.
342+00 — 349+00	LT.	131		" "
348+87 — 356+00	RT.	131		" "
384+53 — 388+00	LT.	270		SOD DITCH
410+00 — 416+06	LT.	89		DITCH CHK.
419+46 — 429+36	RT.	117		" "
419+46 — 425+00	LT.	112		" "
450+00 — 456+59	LT. & RT.	65		" "
SECTION 3				
527+78 — 529+35	LT.	122		SOD DITCH
558+52 — 560+72	LT. & RT.	350		" "
578+78 — 583+39	LT.	47		DITCH CHK.
578+78 — 586+31	RT.	47		" "
702+00 — 716+75	RT.	336		" "
708+50 — 712+30	LT.	89		" "
719+41 — 730+50	RT.	187		" "

MARKER POSTS FOR SHOULDER DELINEATION

STATION TO STATION	LOCATION	CENTER TO CENTER	NUMBER
SECTION 1			
39+50 — 41+50	RT.	50'	5
75+50 — 78+00	LT.	50'	6
98+75 — 102+25	RT.	50'	8
98+50 — 103+50	LT.	50'	11
112+50 — 115+50	RT.	50'	7
189+25 — 193+25	RT.	50'	9
187+50 — 192+50	LT.	50'	11
SECTION 2			
381+75 — 386+75	RT.	50'	11
384+00 — 387+00	LT.	50'	7
400+75 — 403+25	RT.	50'	6
SECTION 3			
527+75 — 539+75	RT.	50'	25
528+50 — 535+50	LT.	50'	15
557+00 — 560+00	RT.	50'	7
558+00 — 561+00	LT.	50'	7
577+50 — 581+50	RT.	50'	9
577+00 — 582+00	LT.	50'	11
678+50 — 681+50	RT.	50'	7
701+25 — 702+75	LT.	50'	4
737+25 — 738+50	LT.	25'	6
73[illegible]+25 — 738+50	RT.	25'	6

STEEL PLATE BEAM GUARD

STATION TO STATION	LINEAR FEET	REMARKS
SECTION 1		
0+38 — 0+72	40	SEE DETAIL SHEET 21
134+00 — 138+00	403	LT. SHOULDER
134+00 — 138+00	403	RT. SHOULDER

PIPE CULVERTS

SEC. NO.	STATION	DIAMETER INCHES	LENGTH LIN. FT.	TYPE	℄ SKEW	P.E. & S.R. L.	P.E. & S.R. R.	RIP RAP	MARKERS

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT STATE	CLASS AND AGREEMENT FEDERAL	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
37.6	12.0		11.6	4	4.0	84

STA. 199 + 80 (END OF SECTION 1)=
STA. 0+00 BEG. OF PROJ. S 012 (4)

STA. 470 + 00.97 (END OF SECTION 2)=
STA. 6 + 00 BEG. OF PROJ. S 012 (3)

STA. 327 + 78.20 (BEG. OF SECTION 2)=
STA. 128 + 00 PROJ. S 012 (4)

STA. 522 + 73.47 (BEG. OF SECTION 3)=
STA. 58 + 72.5 END OF PROJ. S 012 (3)

STA. 738 + 72.50 (END OF SECTION 3)
END OF RELOC. ORDER PROJ. S 012 (6)=
STA. 17 + 00 PROJ. S 012 (2)

LOCATION SKETCH

ONE MILE

CITY OF WAUSAU

TOWN OF WESTON

TOWN OF EASTON

TOWN OF EAU PLEINE

TOWN OF RINGLE

TOWN OF PLOVER

TOWN OF NORRIE

MARATHON COUNTY

OFFICIAL LAYOUT

C.T.H. "N" TO BIRNAMWOOD

STA. 0 + 00 (BEG. OF SECTION 1)
BEG. OF RELOC. ORDER PROJ. S 012(6)

CITY OF WAUSAU

TOWN OF WESTON

TOWN OF WAUSAU

CORPORATE LIMITS

SW SE — R. J. KAISER

SE SE — LESLIE W. FERGE

SW1/2 FRL. SW — RUTH ALEXANDER

N1/2 FRL. NW — LEA HEROUX

FRL. NW NE — OSCAR STRACHOTA, OWNER, D. J. FREEMAN, L.C.

FRL. NE NE

W1/2 — JAMES J. WALL

E1/2 — KATHRYN MARION HOWES

WILLIAM M. HOFFMANN

HERBERT HURD

HANS LUND ET AL.

DOROTHY KRAFT 4 RD.

JOSEPH SALZMAN

OTIS M. WILSON

CHRIST CHRISTENSON

WALTER J. CHILSEN

DANIEL H. MARKSTURM

WALDEMAR E. TIETZ

D. J. FREEMAN

PART OF HOME SWEET HOME ADDITION

Glenwood Road

CHRISTMAS ROAD

HAWTHORNE ROAD

SKYLINE LANE

PUB. RD.

GAS MAINS

GAS TANK-45'

SILO, BARN, WELL-41'

HOUSE ±150'

HOUSE 57

DRY WELL

L. DALE KINNEY

Pl. 15 + 61.70
Δ 2°39'20"
D 0°30'
T 265.60'
L 531.20'
R 11459.16'

P.I. 42 + 06.57
Δ 0°35'
D 0°10'
T 175.00'
L 350.00'
R 34377.48'

P.C. 12 + 96.10
(466.686')
28.284 RD.

P.T. 18 + 27.30

P.C. 40 + 31.57

0 + 11.27 = 10"A" + 00

15 + 61.7 (TAN.) = 10"B" + 00

32 + 48.56 = 10"C" + 00

42 + 06.57 (TAN.) = 10"D" + 00

Pl. 15 + 61.7

Pl. 42 + 06.57

Pl. 1 + 00

Pl. 0 + 00

Pl. 28 + 86

TAN. 8.25' NORTH OF CORNERSTONE

ON SEC. COR. (STONE)

W 10 AC.

41.25' AT RT. ∠'S TO TAN.

41.25' (TAN.)

41.25'

150 TAN.

200 TAN.

295.17'

320.56'

466.69'

186' 7" (186.583')

PAR.	OWNER	ACRES	INTEREST
1	JOSEPH SALZMAN	0.05	FEE
2	RUTH ALEXANDER	0.36	FEE
3	OTIS M. WILSON	0.11	FEE
4	R. J. KAISER	0.39	FEE
5	LESLIE W. FERGE (SEE SHEET 4.1)		
6	CHRIST CHRISTENSON	0.33	FEE
7	HANS LUND ET AL.	0.07	FEE
8	LEA HEROUX	0.07	FEE
9	L. DALE KINNEY	0.01	FEE
10	HERBERT HURD	0.02	FEE
11*	DOROTHY KRAFT	0.10	FEE
12	JAMES J. WALL	0.07	FEE

SCHEDULE OF LAND INTERESTS REQUIRED

* CITIZENS STATE BANK, TRUSTEE

LEGEND
● — IRON PIPE

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

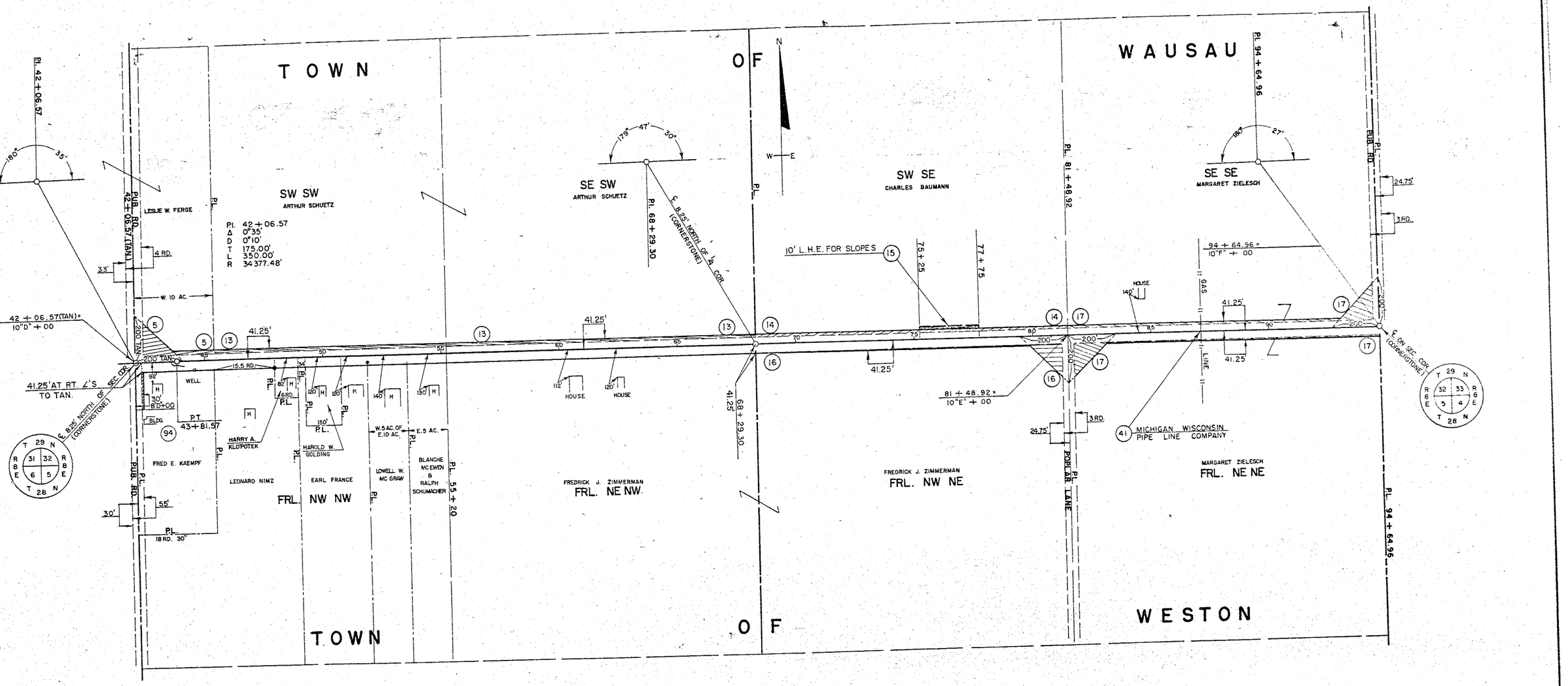
C.T.H. N MARATHON COUNTY

SCALE 0 100 200 400'

LENGTH= 10.550 MILES

DATED 2-27-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.1	84



SCHEDULE OF LAND INTERESTS REQUIRED			
PARCEL	OWNER	ACRES	INTEREST
5	LESLIE W. FERGE (CONT. FROM SHEET 4.0)	0.58	FEE
13	ARTHUR SCHUETZ	0.87	FEE
14	CHARLES BAUMANN	0.37	FEE
15	CHARLES BAUMANN		L.H.E. FOR SLOPES
16	FREDRICK J. ZIMMERMAN	0.34	FEE
17	MARGARET ZIELESCH	0.92	FEE
41	MICH. WIS. PIPE LINE COMPANY		RELEASE OF EASEMENT
94	FRED E. KAEMPF	0.02	FEE

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

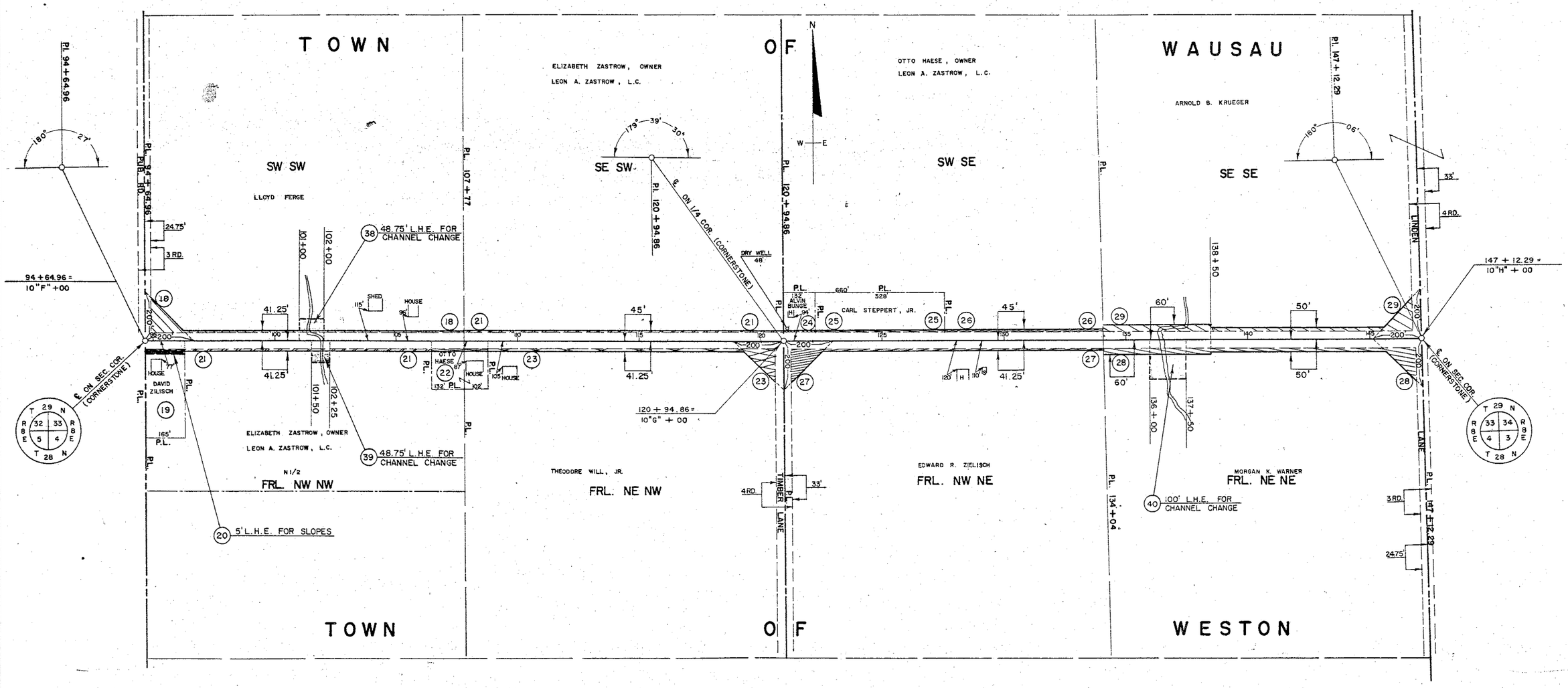
C.T.H. N MARATHON COUNTY

SCALE 0' 100' 200' 400'

LENGTH= 10.550 MILES

DATED 2-27-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.2	84



SCHEDULE OF LAND INTERESTS REQUIRED			
PARCEL	OWNER	ACRES	INTEREST
18	LLOYD FERGE	0.44	FEE
19	DAVID ZILISCH	0.03	FEE
20	DAVID ZILISCH		L.H.E. FOR SLOPES
21 *	ELIZABETH ZASTROW	0.56	FEE
22	OTTO HAESE	0.04	FEE
23	THEODORE WILL, JR.	0.42	FEE
24	ALVIN BUNGE	0.04	FEE
25	CARL STEPPERT, JR.	0.15	FEE
26 ⊛	OTTO HAESE	0.18	FEE
27	EDWARD R. ZIELISCH	0.41	FEE
28	MORGAN K. WARNER	0.77	FEE
29	ARNOLD B. KRUEGER (SEE SHEET 4.3)		
38	LLOYD FERGE		L.H.E. FOR CHANNEL CHANGE
39 ⊠	ELIZABETH ZASTROW		L.H.E. FOR CHANNEL CHANGE
40	MORGAN K. WARNER		L.H.E. FOR CHANNEL CHANGE

* LEON A. ZASTROW, L.C.

⊛ LEON A. ZASTROW, L.C.

⊠ LEON A. ZASTROW, L.C.

HIGHWAY COMMITTE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

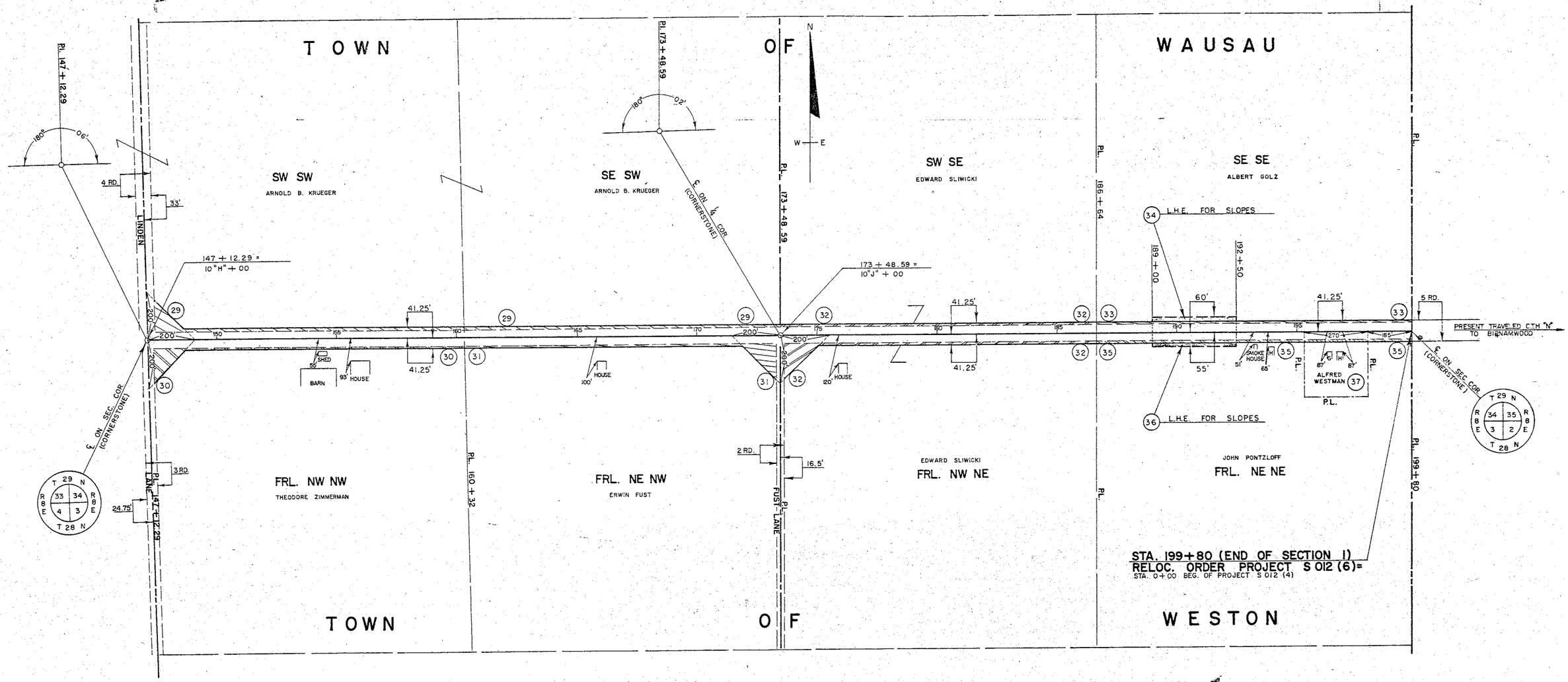
C.T.H. N MARATHON COUNTY

SCALE 0 100' 200 400

LENGTH = 10.550 MILES

DATED 2-27-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.3	84



SCHEDULE OF LAND INTERESTS REQUIRED

PARCEL	OWNER	ACRES	INTEREST
29	ARNOLD B. KRUEGER (CONT. FROM SHEET 4.2)	1.42	FEE
30	THEODORE ZIMMERMAN	0.45	FEE
31	ERWIN FUST	0.47	FEE
32	EDWARD SLIWICKI	0.72	FEE
33	ALBERT GOLZ	0.25	FEE
34	ALBERT GOLZ		L.H.E. FOR SLOPES
35	JOHN PONTZLOFF	0.20	FEE
36	JOHN PONTZLOFF		L.H.E. FOR SLOPES
37	ALFRED WESTMAN	0.05	FEE

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

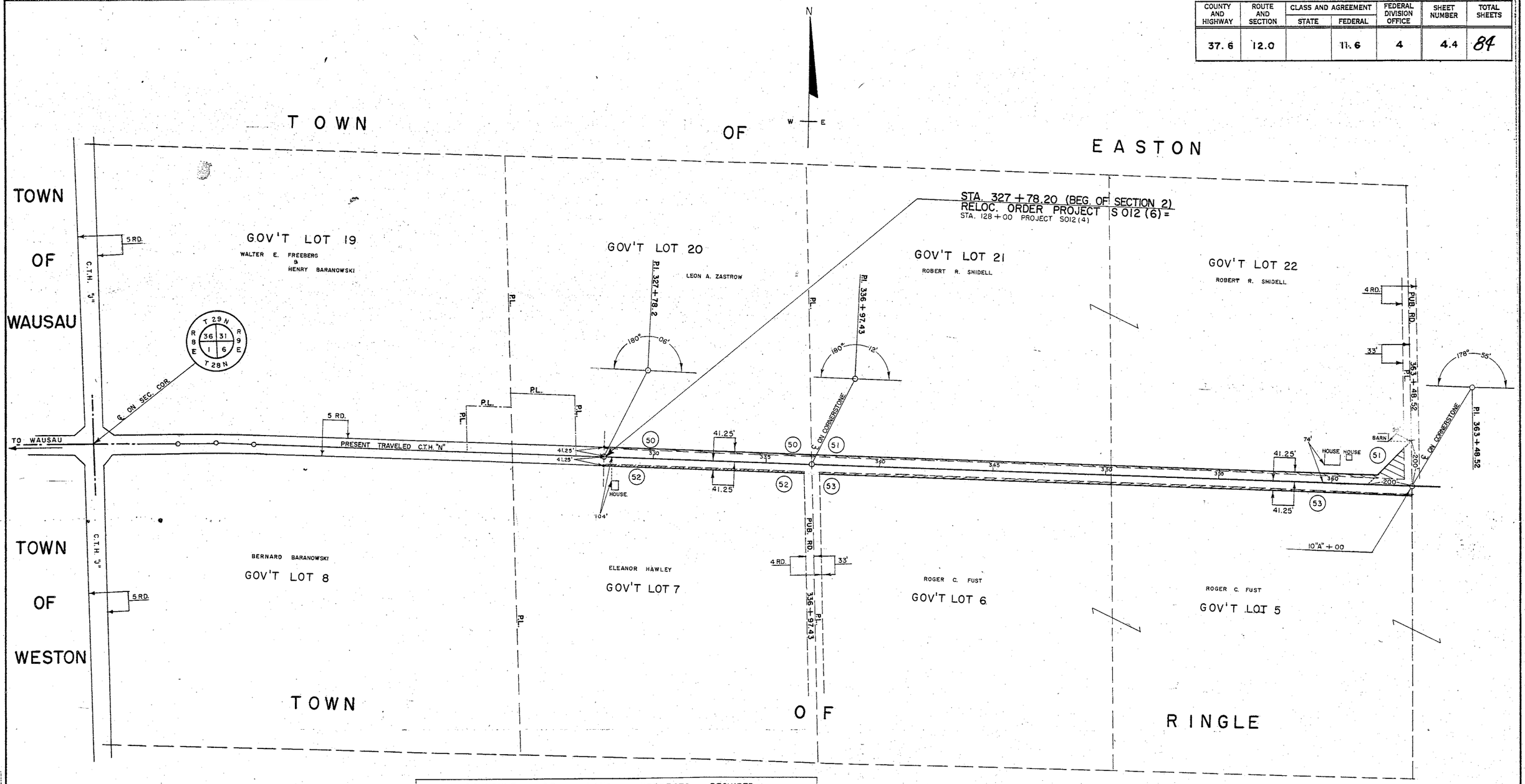
C.T.H. N MARATHON COUNTY

SCALE 0 100' 200' 400'

LENGTH = 10.550 MILES

DATED 2-27-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.4	84



SCHEDULE OF LAND INTERESTS REQUIRED			
PARCEL	OWNER	ACRES	INTEREST
50	LEON A. ZASTROW	0.17	FEE
51	ROBERT R. SHIDELL	0.65	FEE
52	ELEANOR HAWLEY	0.168	FEE
53	ROGER C. FUST (SEE SHEET 4.5)		

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

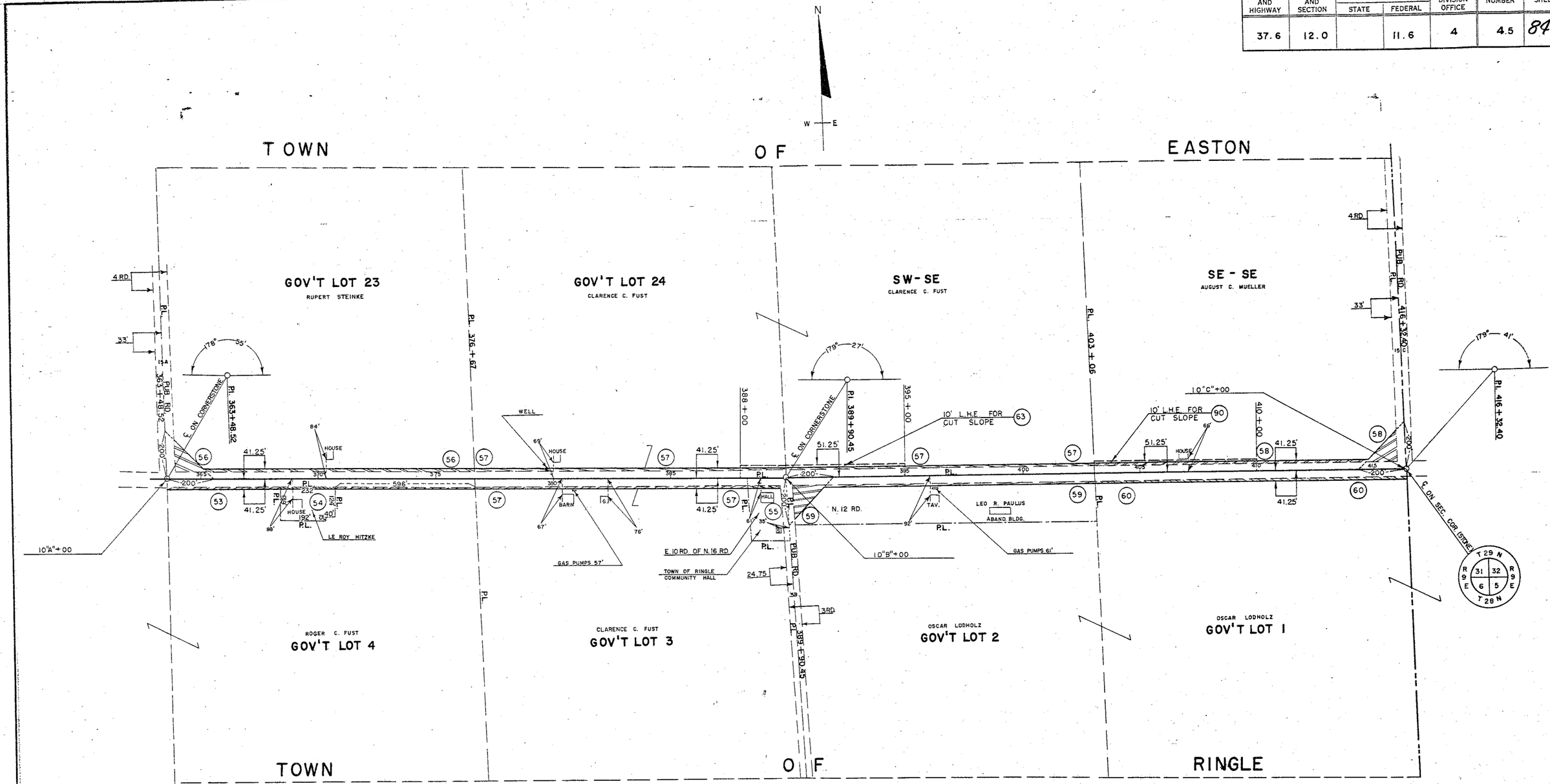
C.T.H. N MARATHON COUNTY

SCALE 0' 100' 200' 400'

LENGTH = 10.550 MILES

DATED 2-14-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.5	84



SCHEDULE OF LAND INTERESTS REQUIRED

PARCEL	OWNER	ACRES	INTEREST
53	ROGER C. FUST (CON'T FROM SHEET 4.4)	0.702	FEE
54	LE ROY HITZKE	0.044	FEE
55	TOWN OF RINGLE	0.025	FEE
56	RUPERT STEINKE	0.404	FEE
57	CLARENCE C. FUST	0.719	FEE
58	AUGUST C. MUELLER	0.407	FEE
59	LEO R. PAULUS	0.423	FEE
60	OSCAR LODHOLZ (SEE SHEET 4.6)		
63	CLARENCE C. FUST		L.H.E. FOR CUT SLOPE
90	AUGUST C. MUELLER		L.H.E. FOR CUT SLOPE

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU – BIRNAMWOOD ROAD

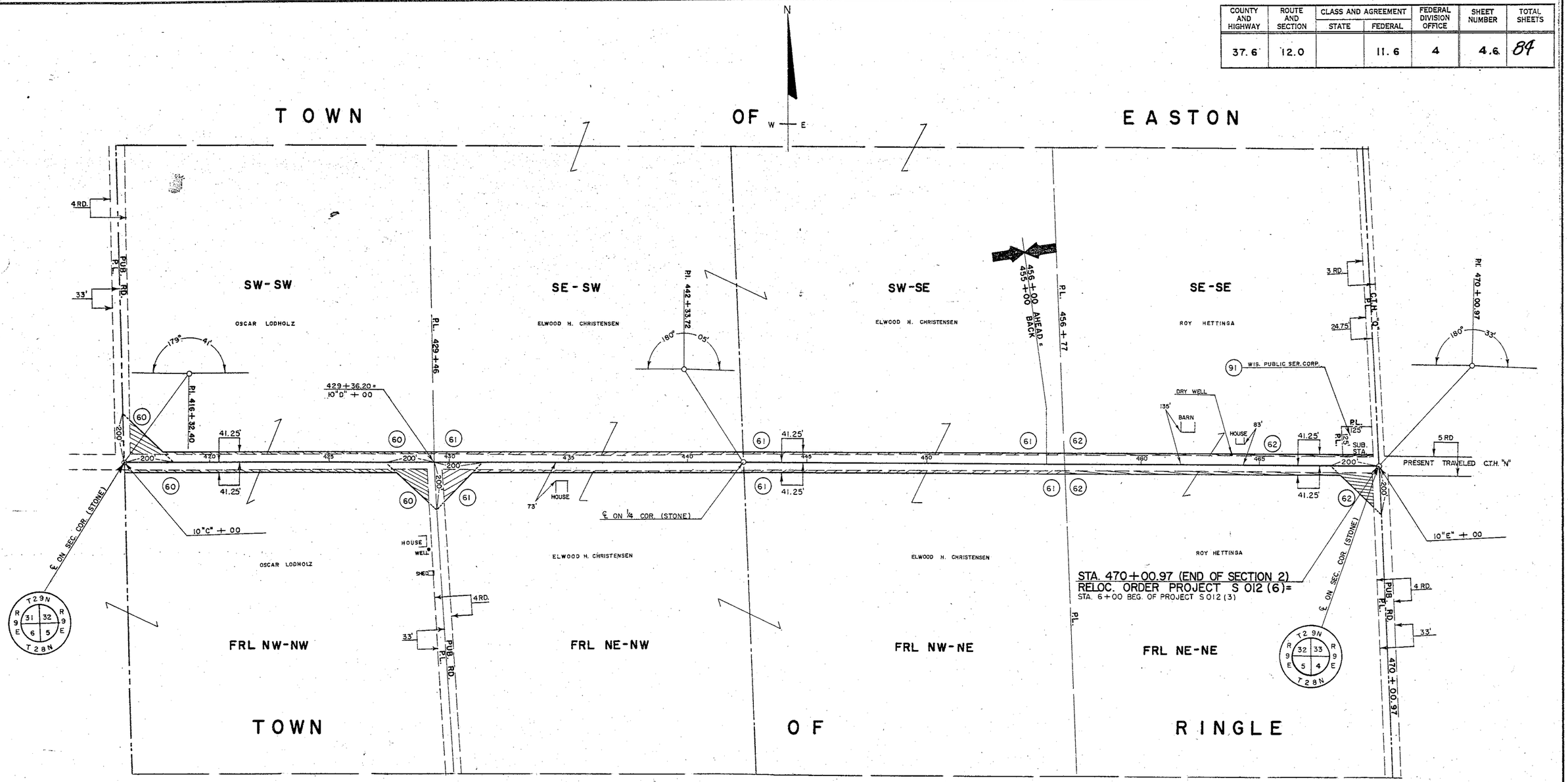
C.T.H. N MARATHON COUNTY

SCALE 0' 100' 200' 400'

LENGTH= 10.550 MILES

DATED 2-14-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.6	84



SCHEDULE OF LAND INTERESTS REQUIRED			
PARCEL	OWNER	ACRES	INTEREST
60	OSCAR LODHOLZ (CON'T FROM SHEET 4.5)	1.107	FEE
61	ELWOOD H. CHRISTENSEN	1.181	FEE
62	ROY HETTINGA	0.662	FEE
91	WIS. PUB. SERV. CORP.	0.023	FEE

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

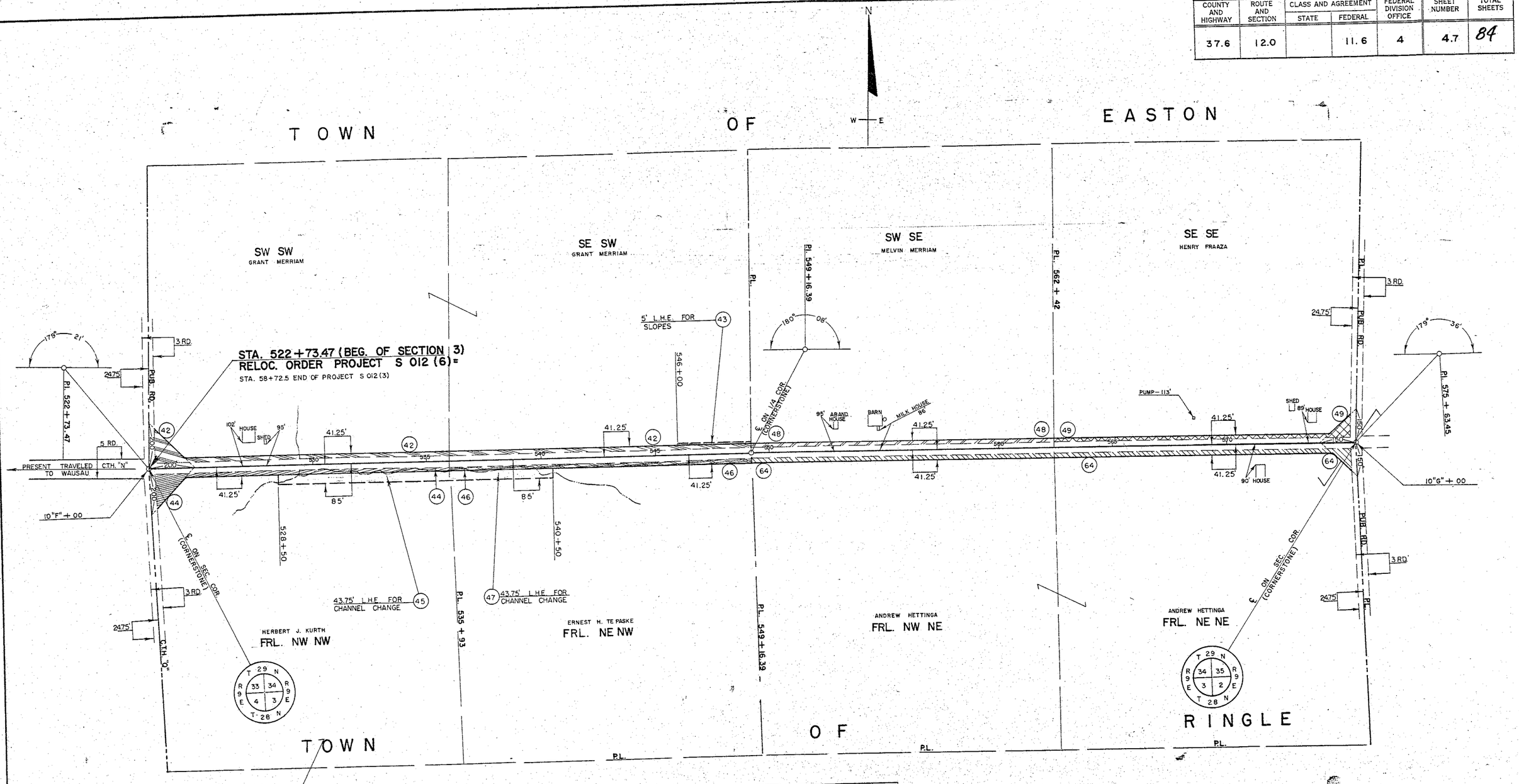
C.T.H. N MARATHON COUNTY

SCALE 0 100' 200' 400'

LENGTH= 10.550 MILES

DATED 2-14-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.7	84



SCHEDULE OF LAND INTERESTS REQUIRED			
PARCEL	OWNER	ACRES	INTEREST
42	GRANT MERRIAM	1.19	FEE
43	GRANT MERRIAM		L.H.E. FOR SLOPES
44	HERBERT J. KURTH	0.68	FEE
45	HERBERT J. KURTH		L.H.E. FOR CHANNEL CHANGE
46	ERNEST H. TE PASKE	0.50	FEE
47	ERNEST H. TE PASKE		L.H.E. FOR CHANNEL CHANGE
48	MELVIN MERRIAM	0.50	FEE
49	HENRY FRAAZA	0.58	FEE
64	ANDREW HETTINGA (SEE SHEET 4.6)		

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

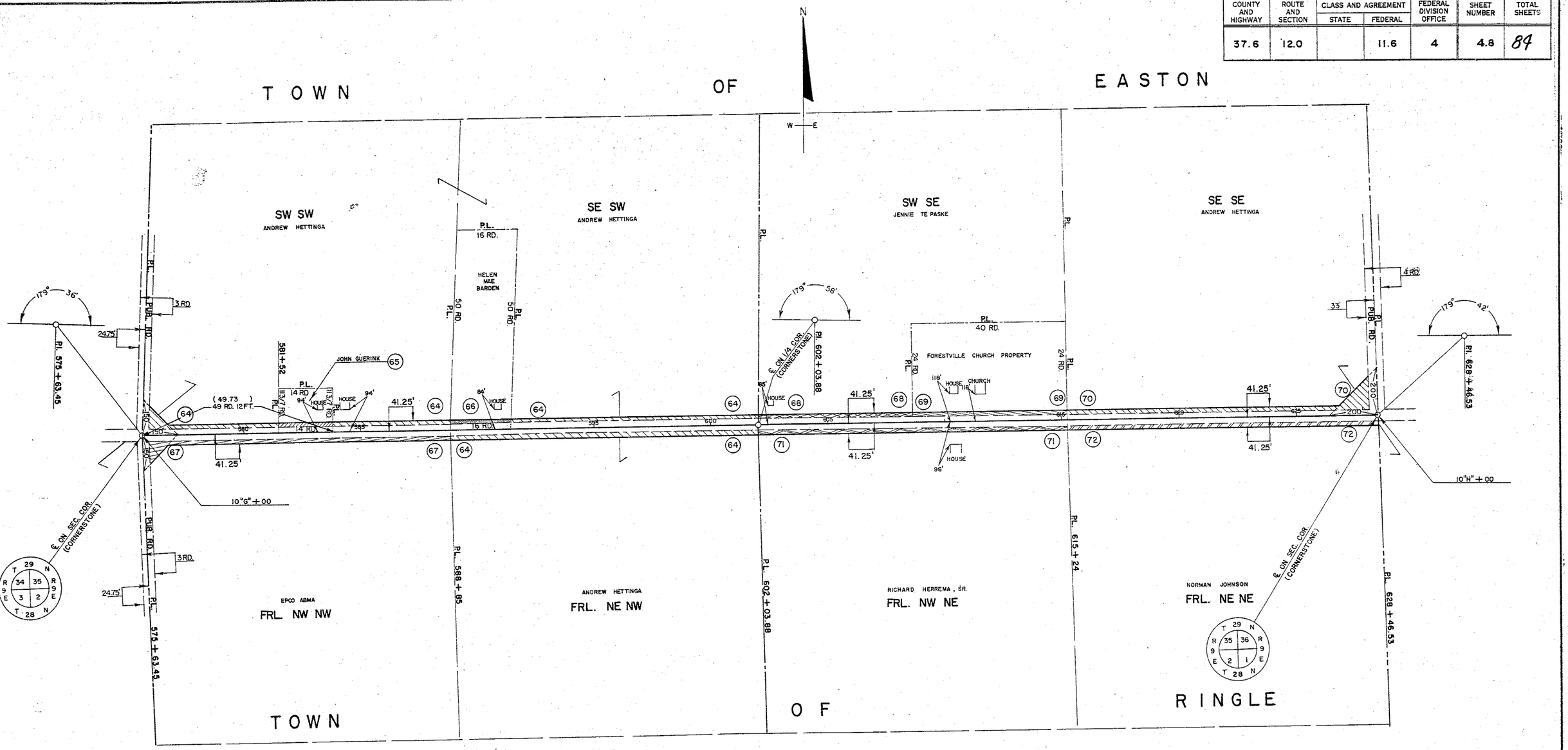
C.T.H. N MARATHON COUNTY

SCALE 0' 100' 200' 400'

LENGTH = 10.550 MILES

DATED 3-8-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.8	84



SCHEDULE OF LAND INTERESTS REQUIRED			
PARCEL	OWNER	ACRES	INTEREST
64	ANDREW HETTINGA (CON'T. FROM SHEET 4.7)	2.46	FEE
65	JOHN GUERINK	0.09	FEE
66	HELEN MAE BARDEN	0.10	FEE
67	EPCO ABMA	0.56	FEE
68	JENNIE TE PASKE	0.25	FEE
69	FORESTVILLE CHURCH	0.25	FEE
70	ANDREW HETTINGA (SEE SHEET 4.9)		
71	RICHARD HERREMA, SR.	0.50	FEE.
72	NORMAN JOHNSON	0.50	FEE

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

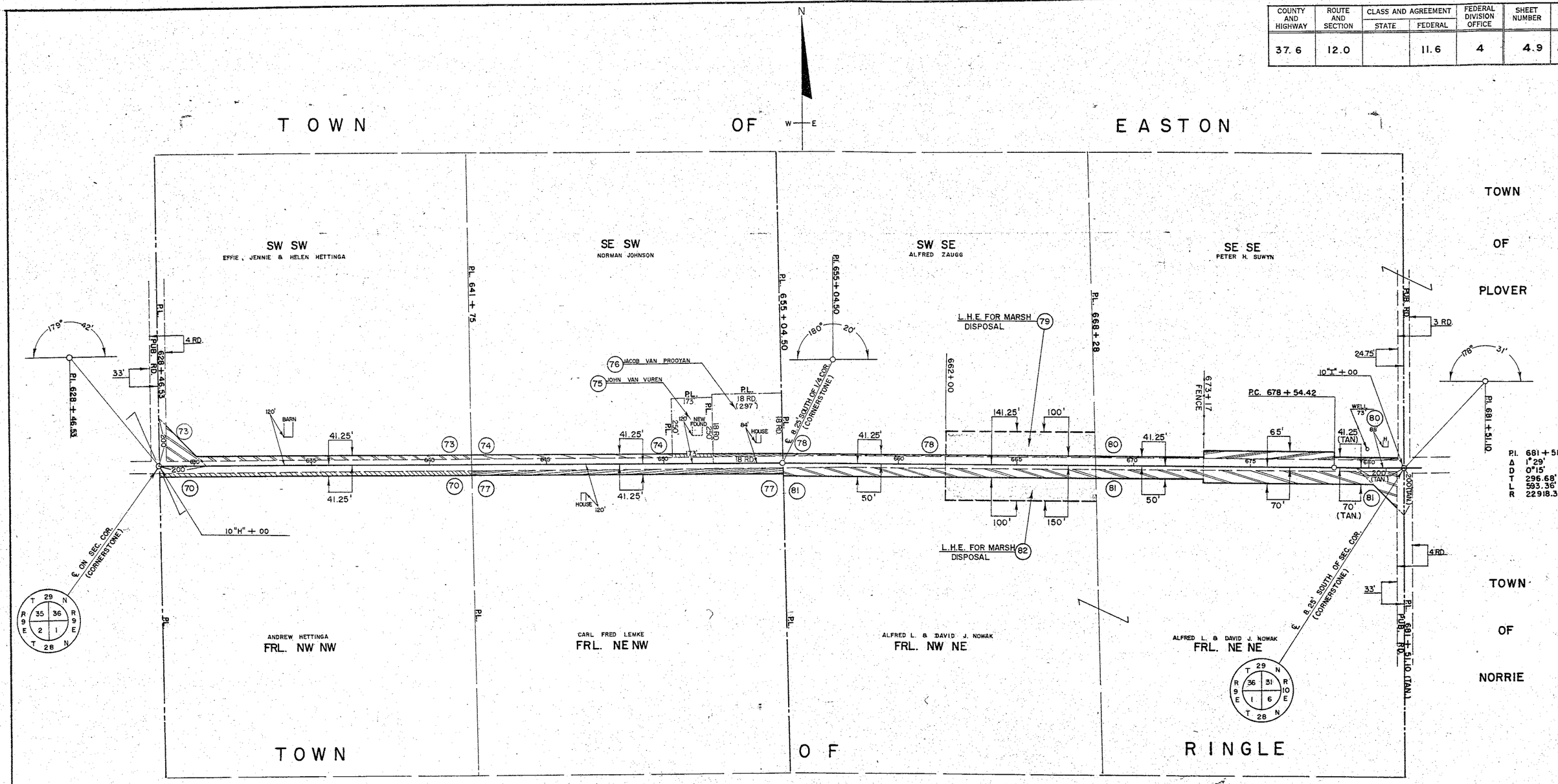
C.T.H. N MARATHON COUNTY

SCALE 0 100' 200' 400'

LENGTH = 10.550 MILES

DATED 3-8-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.9	84



SCHEDULE OF LAND INTERESTS REQUIRED			
PARCEL	OWNER	ACRES	INTEREST
70	ANDREW HETTINGA (CON'T. FROM SHEET 4.8)	1.18	FEE
73	EFFIE, JENNIE, & HELEN HETTINGA	0.68	FEE
74	NORMAN JOHNSON	0.26	FEE
75	JOHN VAN VUREN	0.04	FEE
76	JACOB VAN PROOYAN	0.06	FEE
77	CARL FRED LEMKE	0.64	FEE
78	ALFRED ZAUGG	0.17	FEE
79	ALFRED ZAUGG		L.H.E. FOR MARSH DISPOSAL
80	PETER H. SUWYN (SEE SHEET 4.10)		
81	ALFRED L. & DAVID J. NOWAK	2.63	FEE
82	ALFRED L. & DAVID J. NOWAK		L.H.E. FOR MARSH DISPOSAL

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

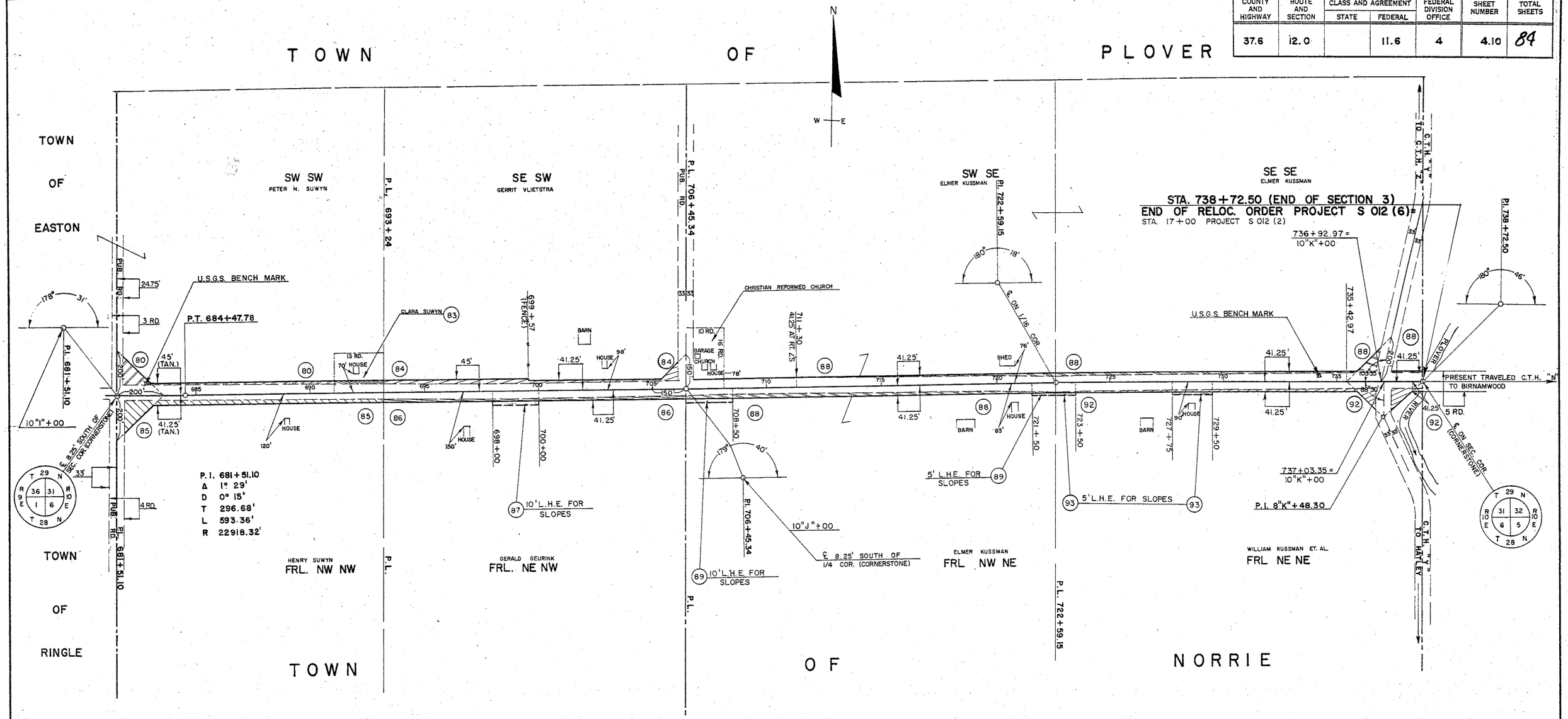
C.T.H. N MARATHON COUNTY

SCALE 0 100' 200' 400'

LENGTH = 10.550 MILES

DATED 3-8-62

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
37.6	12.0		11.6	4	4.10	84



SCHEDULE OF LAND INTERESTS REQUIRED			
PARCEL	OWNER	ACRES	INTEREST
80	PETER H. SUWYN (CON'T FROM SHEET 4.9)	0.79	FEE
83	CLARA SUWYN	0.06	FEE
84	GERRIT VLIETSTRA	0.30	FEE
85	HENRY SUWYN	0.55	FEE
86	GERALD GEURINK	0.31	FEE
87	GERALD GEURINK		L.H.E. FOR SLOPES
88	ELMER KUSSMAN	0.97	FEE
89	ELMER KUSSMAN		L.H.E. FOR SLOPES
92	WILLIAM KUSSMAN ET. AL.	0.46	FEE
93	WILLIAM KUSSMAN ET. AL.		L.H.E. FOR SLOPES

HIGHWAY COMMITTEE OF MARATHON COUNTY, WISCONSIN

PLAT OF RIGHT OF WAY REQUIRED

PROJECT S 012 (6)

WAUSAU — BIRNAMWOOD ROAD

C.T.H. N MARATHON COUNTY

SCALE 0 100' 200' 400'

LENGTH = 10.550 MILES

DATED 3-8-62

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	3+41	SPIKE IN 14" ELM 57' RT.	1314.74
2	18+53	SPIKE IN TEL. POLE 28' RT.	1408.39

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOT. SHTS.
4	S 012(6)	5	84

CITY OF WAUSAU

POT. 0-11.27 = 10"A"+00 — P.K. SPIKE ℄ — 88.9' — 73.1' — 63.6'

POT. 13"A"+49.80 — LIGHT POLE — FIRE HYDRANT — 2"ELM — P.K. SPIKE ℄ — 35.4' — 36.1' — 61'

POT. 0+00 — TL — 34.4' — 43.6' — 93.7'

P.I. 1+00 — 176°48' — 14"ELM — 21.9' — 83.0' — P.K. SPIKE TL — 64.3'

POT. 13+00.54 — TL — FP — 41.9' — 98.7' — 43.6'

P.I. 15+61.70 = 10"B"+00 — 182°39'20" — IRON PIN TL — 69' — 25.4' — 48.8'

POT. 6"B"+00 — 5" PINE — P.K. SPIKE ℄ — 40.0' — 70.0'

13TH ST. — CORPORATE LIMITS — 14"A" — 13"A" — 12"A" — 1"A"

P.I. 1+00
Δ 3° 12'
D 1° 30'
T 106.69'
L 213.38'
R 3819.72'

FOR DETAIL LAYOUT SEE SHEET 2.1

JOSEPH SALZMAN

RUTH ALEXANDER

R.J. KAISER

TYPE "F" INTERSECTION SEE DETAIL SHEET 2.1

P.I. 15+61.70 = 10"B"+00

OTIS M. WILSON

182° 39' 20"

SEC. COR.

87°56'

87°09'

41.25'

P.E.

BL. TOP

WIS. PUBLIC SERVICE POWER STATION

0-11.27 = 10"A"+00

P.C. 0-06.69

P.I. 1+00

PT. 2+06.69

P.C. 12+96.10

P.I. 15+61.70
Δ 2° 39' 20"
D 0° 30'
T 265.60'
L 531.20'
R 11,459.16'

PT. 18+27.30

L. DALE KINNEY

HERBERT HURD

LEA HEROUX

DOROTHY KRAFT
CITIZENS STATE BANK (TRUSTEE)

HANS LUND ET. AL.

JAMES J. WALL

PINE PLANTATION 3' TO 5' TALL

KATHRYN MARION HOWES

JAMES J WALL

WALTER J. CHILSEN

DANIEL H. MARKSTURM

D.J. FREEMAN

SKYLINE LANE PUBLIC ROAD

BEGINNING OF PROJ. S012(6)
STA. 0+00 (BEG. OF SECTION 1)

GENERAL NOTES:

THE BORROW EXCAVATION SHALL NOT BE COMPLETED UNTIL ALL AVAILABLE UNCLASSIFIED EXCAVATION IN THE ADJACENT BALANCE POINTS WITHIN ITS SECTION HAS BEEN USED.

STA. 0+00 TO STA. 42±00 GASLINE BURIED IN RIGHT DITCH

ESTIMATED E.B.S. & CHANNEL CHANGE YARDAGE, SURFACE STONE, STONE PILES, AND STONE FENCES INCLUDED IN UNCLASSIFIED EXCAVATION. (REFER TO YARDAGE TABULATION SHEETS.)

UNDERCUT MOUTH OF CUTS WHERE REQUIRED.

CLEAR & GRUB VISION TRIANGLES TO RIGHT OF WAY LIMITS.

FLATTEN BACKSLOPES TO DAYLIGHT INTERSECTIONS WHERE REQUIRED.

NET LENGTH OF CENTERLINE STA. 0+00 TO STA. 25+00 = 2500 LIN. FT.

PLAN LEGEND

CENTERLINE	℄
TANGENT LINE	TL
EXCAVATION BELOW SUBGRADE	E.B.S.
SHRINKAGE	SHG.
PRIVATE ENTRANCE	PE
RIGHT HAND FORWARD	R.H.F.
LIMITED HIGHWAY EASEMENT	L.H.E.
ROADWAY	RDWY.
REQUIRED	REQD.
WATER VALVE	W.V.
CATCH BASIN	C.B.
FENCE POST	F.P.
MANHOLE	M.H.

UNCL. 6,352 CU. YD.
FILL 4,574 CU. YD.
SHG. 39%

+9.5% — DITCH GRADE RT. — IDENTICAL POINTS

+9.5% — DITCH GRADE LT. — DITCH GRADE RT. — PC. +85 EL. 66.07

IDENTICAL POINTS

℄ 15+61.70 = 10"B"+00 +70

P.I. +60 EL. 29.20

10"B"+50 9"B" 8"B" 7"B" 6"B" 04.9

1,350' VC

DITCH GRADE LT. — DITCH GRADE RT. — 4.5% — PC. +00 EL. 95.90 — P.T. +35 EL. 98.82

1310 1300 1290 1280 1270 1260 1250 1240 1230 1350 1340 1330 1320 1390 1380 1370 1360 1410 1400

-5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10 1 2 3 4 15 6 7 8 9 20 1 2 3 4 25

81.00 90.50 00.00 09.50 19.00 28.50 38.00 47.50 57.00 66.49 75.31 83.10 89.85 95.57 00.25 03.89 06.49 08.06 08.59 08.08 06.54 03.95 00.34 95.90 91.78 88.44

D.A.R. 9-61
D.A.R. 9-61
A.J.J. 3-62

A.J.J. 12-61
A.J.J. 3-62

NOTE 9/61 — ELEVATIONS CHECKED — SET OFFSETS CHECKED — NO. 4716

NO. 4716

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	6	84

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
3	27+62	X ON N.W. CORNER OF CONC. WALK	80' RT.	1379.98
4	48+59	SPIKE IN 15" PINE	94' LT.	1398.12

N

32+48.56 = 10"C"+00 P.K. SPIKE ℄ — FP 23.8', FP 27.6', 40.2'

POT 7"C"+77 P.K. SPIKE ℄ — SIGN POST 30.2', 39.7'

POT 35+01.30 ℄ — FP 25.6', FP 28.9', 43.2'

PI 42+06.57 = 10"D"+00 IRON PIN ℄ — 180° 35' GUIDE POLE, 28.6', 35.9', 54.0'

POT 7"D"+00 P.K. SPIKE ℄ — FP 29.5', 55.8'

POT 13"D"+00 P.K. SPIKE ℄ — 4" CHERRY, 19.9', FP 26.4'

POT 48+01.78 ℄ — FP 32.9', FP 23.0', 29.4'

PI. 42+06.57
Δ 0° 35'
D 0° 10'
T 175.00'
L 350.00'
R 34377.48'

R.J. KAISER

LESLIE W. FERGE

CHRIST CHRISTENSON

LESLIE W. FERGE

ARTHUR SCHUETZ

APPLE ORCHARD

TYPE "F" INTERSECTION LT. & RT.
SEE DETAIL SHEET 2.1

180° 35' PI 42+06.57 = 10"D"+00

90° 44'

PUBLIC ROAD

DANIEL H. MARKSTURM

D.J. FREEMAN

WALDEMAR E. TIETZ

TYPE "F" INTERSECTION
SEE DETAIL SHEET 2.1

32+48.56 = 10"C"+00

89° 28'

HOME SWEET HOME ADDITION

CHRISTMAS ROAD
PUBLIC ROAD

HOME SWEET HOME ADDITION

PC 40+31.57

PT 43+81.57

8"D"+00

FRED E. KAEMPF

LEONARD NIMZ

HARRY A. KLOPOTEK

HAROLD W. GOLDING

LOWELL W. MC GRAW

BLANCHE Mc EWEN & RALPH SCHUMACHER

EARL FRANCE

HAWTHORNE ROAD
PUBLIC ROAD

NET LENGTH OF CENTERLINE STA. 25+00 TO STA. 55+00 = 3000 LIN. FT

UNCL. 2,576 CU.YD.
FILL 1,857 CU.YD.
SHG. 39%

℄ 32+48.56 = 10"C"+00 +84

10"C"+50 96.3 | 9"C" 82.5 | 8"C" 75.0 | 7"C"

P.T. +00 EL. 84.50

+1.65%

800' V.C.

DITCH GRADE RT.

DITCH GRADE LT.

STA. 31+08
REMOVE 1-2.5'X2.2'X 26' CONC. BOX CULV.
1-36" X 52' C.P. REQ'D.

P.C. +00 EL. 87.80

P.T. +00 EL. 77.90

UNCL. 3,208 CU.YD.
FILL 2,309 CU.YD.
SHG. 39%

℄ 42+06.57 = 10"D"+00 +47

P.I. +00 EL. 91.10

12"D" | 11"D" +50 | 10"D" +50 | 9"D" | 8"D" | 7"D"

72.7 | 72.8 | 72.5 | 69.5

P.C. +90 EL. 78.05

400' V.C.

-4.5%

P.T. +00 EL. 82.10

600' V.C.

P.I. +90 EL. 64.55

STA. 40+69
REMOVE 1-30" X 30' R.C.C.P.
1-30" X 60' C.P. REQ'D.

STA. 10"D"+28
1-24" X 56' C.P. REQ'D.
REMOVE 1-24" X 30' R.C.C.P.
REMOVE 1-3' X 2' X 30" CONC. BOX CULV.

STA. 9"D"+72
1-24" X 56' C.P. REQ'D.
REMOVE 1-18" X 32' R.C.C.P.

P.T. +90 EL. 79.85

+5.1%

P.C. +30 EL. 81.89

UNCL. 4,178 CU.YD.
FILL 3,010 CU.YD.
SHG. 39%

+88

P.I. +30 EL. 97.19

-1.61%

600' V.C.

DITCH GRADE LT.

P.T. +30 EL. 92.36

P.C. +40 EL. 85.75

1380 | 1370 | 1360 | 1400 | 1390 | 1380 | 1370 | 1360

88.44 | 85.86 | 84.05 | 83.01 | 82.74 | 83.23 | 84.50 | 86.15 | 87.80 | 88.68 | 88.02 | 85.83 | 82.10 | 77.61 | 74.07 | 72.13 | 71.79 | 73.05 | 75.91 | 80.36 | 85.19 | 88.94 | 91.58 | 93.10 | 93.51 | 92.79 | 91.23 | 89.62 | 88.01 | 86.40 | 84.9

25 6 7 8 9 30 1 2 3 4 35 6 7 8 9 40 1 2 3 4 45 6 7 8 9 50 1 2 3 4 55

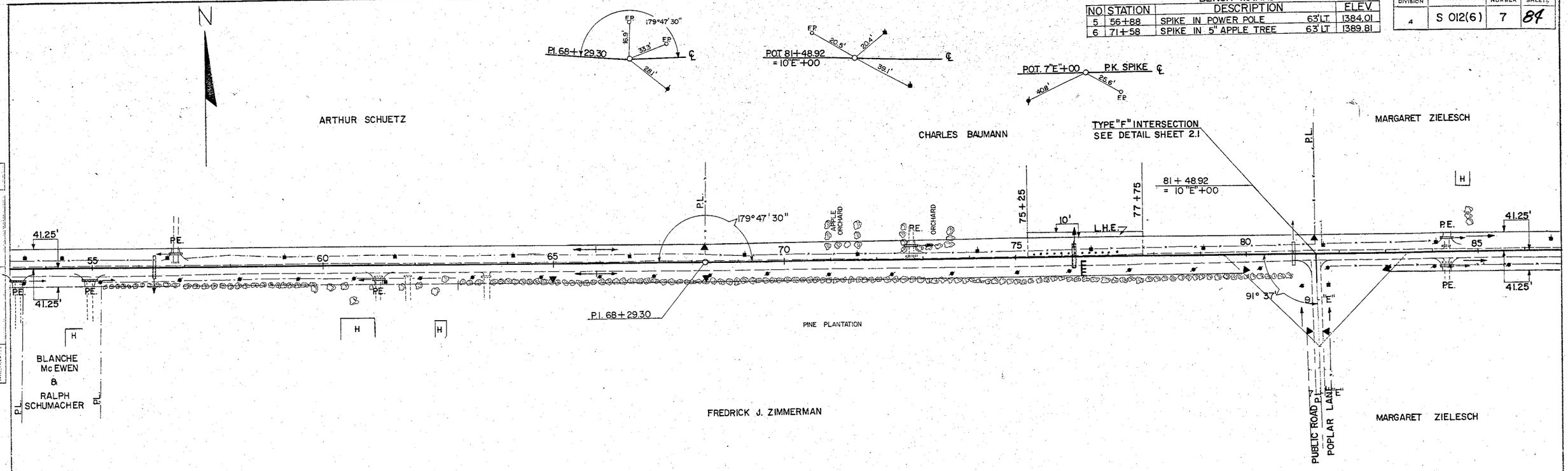
PLATE I—PLAN—PROFILE & P. & P.P.

BRUNING No. 901

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	7	84

BENCH MARKS

NO	STATION	DESCRIPTION		ELEV.
5	56+88	SPIKE IN POWER POLE	63' LT.	1384.01
6	71+58	SPIKE IN 5" APPLE TREE	63' LT.	1389.81



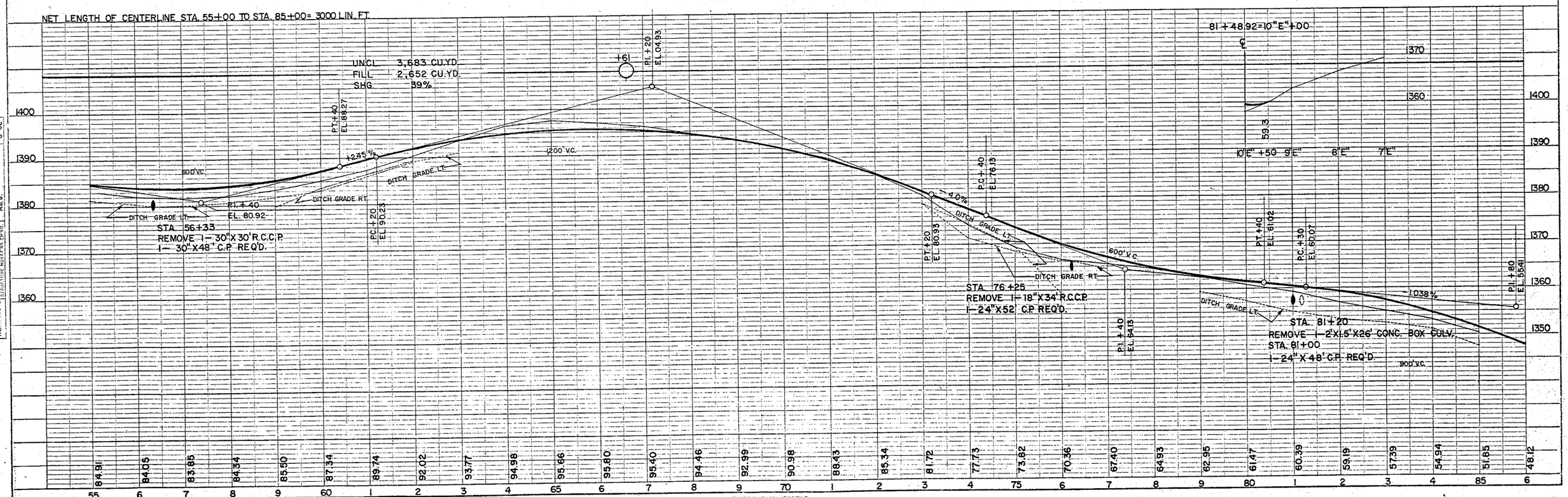


PLATE 1—PLAN—PROFILE

BRUNING NO. 601

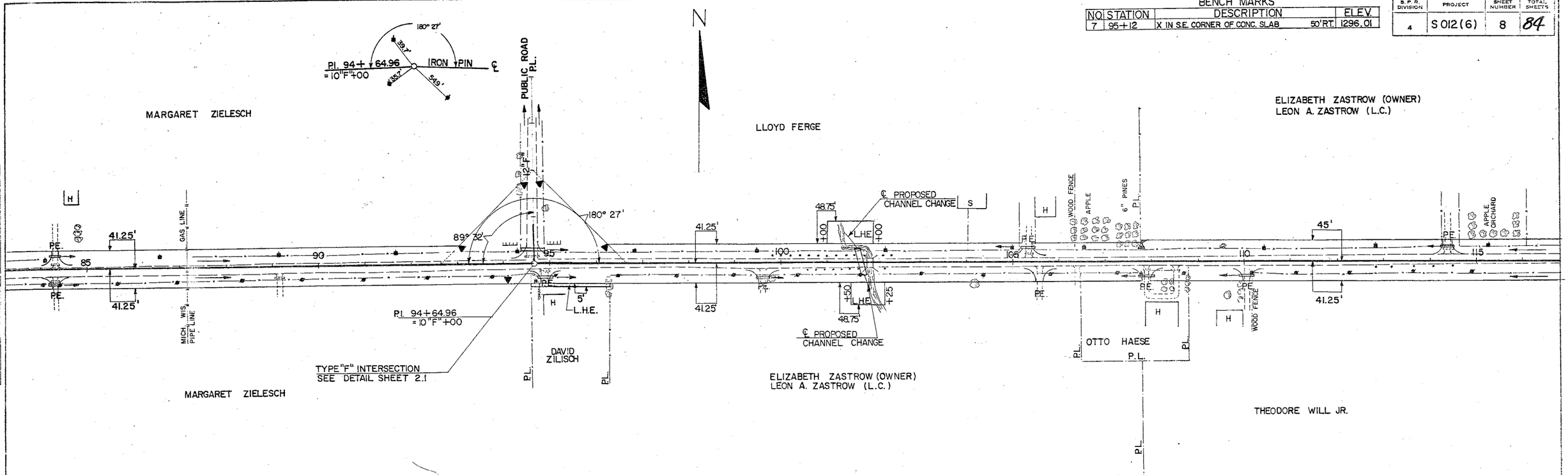
B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	8	84

BENCH MARKS

NO	STATION	DESCRIPTION	ELEV.
7	95+12	X IN S.E. CORNER OF CONC. SLAB 50' RT.	1296.01

PLAN — SURVEYED 8-61; DRAWN R.J.S. 8-61; TRACED D.A.R. 9-61; CHECKED A.J.J. 3-62; QUANTITIES CHECKED; ALIGNMENT CHECKED; STRUCTURE NOTATIONS CHKD.; NOTE HOUSE PLOTTED; SHEET NO. 8716

PROFILE — SURVEYED; DRAWN R.J.S. D.A.R. A.J.J.; TRACED; CHECKED; QUANTITIES CHECKED; ALIGNMENT CHECKED; STRUCTURE NOTATIONS CHKD.; NOTE HOUSE PLOTTED; SHEET NO. 8716



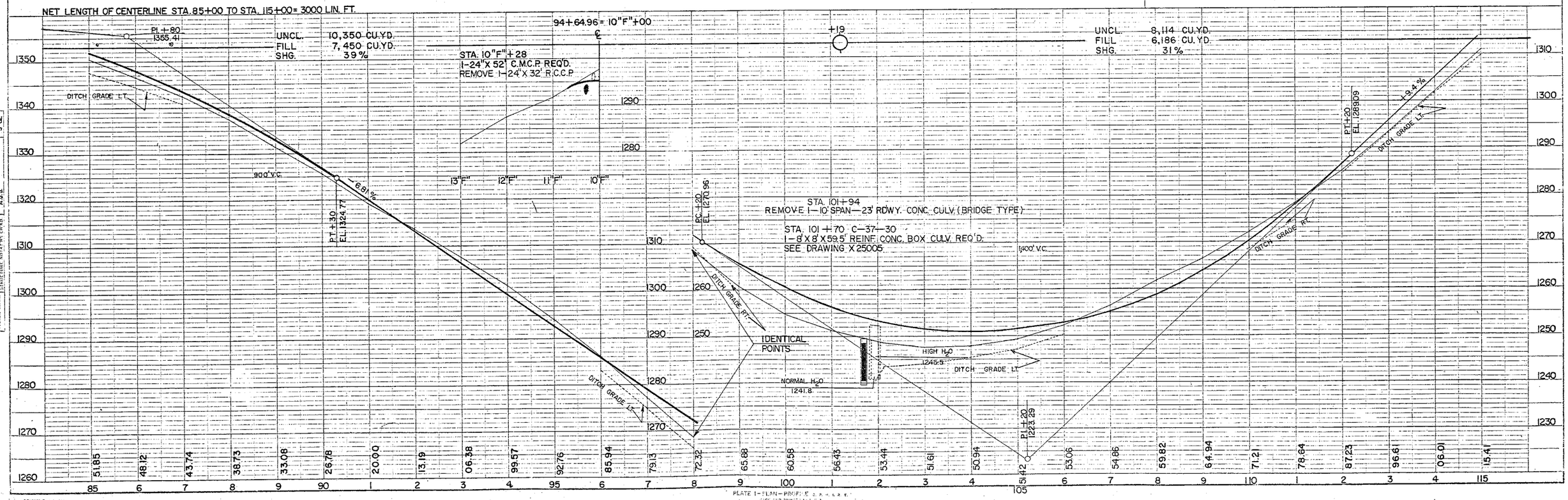


PLATE 1 — PLAN-PROFILE

BRUNING NO. 631

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	9	84

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
8	116+18	SPIKE IN TEL. POLE	38'LT.	1327.55
9	134+40	SPIKE IN 18" PINE	109'LT.	1281.68

P.I. 120+94.86 = 10"G"+00 — IRON PIN ℄ — 179° 39' 30" — 298' — 75.0' — 66.0'

POT 7"G"+00 — PK SPIKE ℄ — FP — 23.6' — 23.7' — FP

N

ELIZABETH ZASTROW (OWNER)
LEON A. ZASTROW (L.C.)

OTTO HAESE (OWNER)
LEON A. ZASTROW (L.C.)

ARNOLD B. KRUEGER

ALVIN BUNGE

CARL STEPPERT JR.

DRY WELL

179° 39' 30"

P.I. 120+94.86 = 10"G"+00

90° 58'

TYPE "F" INTERSECTION
SEE DETAIL SHEET 2.1

THEODORE WILL JR.

EDWARD R. ZIELISCH

APPLE ORCHARD

℄ PROPOSED CHANNEL CHANGE

L.H.E.

MORGAN K. WARNER

TIMBER LANE PUBLIC ROAD

P.I. +50
1385.91

TYPICAL SECTION FOR CHANNEL CHANGE
STA. 137+20

NET LENGTH OF CENTERLINE STA. 115+00 TO STA. 145+00 = 3000 LIN. FT.

UNCL. 9,220 CU.YD.
FILL 7,391 CU.YD.
SHG. 25 %

+68

+9.4%

1400' V.C.

-8.5%

DITCH GRADE LT.

DITCH GRADE RT.

STA. 120+94.86 = 10"G"+00 ℄

STA. 9"6"+72
1-18" X 54' C.P. REQ'D.

10"G"+50 9"6" 8"6" 7"6"

52.0 52.7

P.C.+50 EL. 20.11

P.T.+50 EL. 26.41

P.C.+00 EL. 05.16

STA. 136+48
REMOVE 1-24' SPAN-23' RDWY. REINF. CONC. BRIDGE

+47

STA. 137+20 B-37-80
TWIN 10' SPAN X 6' RISE X 89' REINFORCED CONCRETE STRUCTURE REQ'D.
SEE DRAWINGS X 24935 & X24936

900' V.C.

P.I. 140+50 EL. 66.9

+7.5%

P.T. +00 EL. 00.66

P.C.+70 EL. 05.9

P.I. 144+70 EL. 28.41

HIGH H_2O EL. 1272.6

NORMAL H_2O EL. 1268.0

115	6	7	8	9	120	1	2	3	4	125	6	7	8	9	130	1	2	3	4	135	6	7	8	9	140	1	2	3	4	145
15.41	24.65	32.77	39.61	45.18	49.46	52.47	54.20	54.65	53.82	51.71	48.33	43.66	37.72	30.50	22.16	13.66	05.16	97.55	91.72	87.66	85.38	84.88	86.16	89.22	94.05	00.66	08.14	15.24	21.84	27.94

1360 1350 1340 1330 1320 1310 1300 1290 1280 1270

PLATE 1 — PLAN — PROFILE

BRUNING NO. 691

PROFILE — SURVEYED 9-61 — DRAWN D.A.R. — TRACED A.J.J. — CHECKED A.A.J. — NOTE BOOK ALPHABET CHECKED — NO. 4716 — MT. OF WAT CHECKED — PLOTTED 9-61 — CHECKED 3-62 — QUANTITIES COMPUTED 3-62 — CHECKED 3-62 — D.A.R. — A.J.J.

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	10	84

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
10	147+22	SPIKE IN TEL. POLE	248' LT.	1329.15
11	160+30	SPIKE IN 14" OAK	200' LT.	1360.61
12	170+27	SPIKE IN 8" MAPLE	240' LT.	1303.51

P.I. 147+12.29 = 10"H"+00 — IRON PIN — 180° 06' — 34.9' — 37.7' — 35.9'

P.O.T. 13"H"+00 — P.K. SPIKE — 56.0' — 53.6'

P.O.T. 7"H"+00 — P.K. SPIKE — 19.1' — 25.9' — F.P.

P.O.T. 161+07.35 — P.K. SPIKE — F.P. — 33.0' — 28.7' — F.P. — 34.5'

P.I. 173+48.59 = 10"J"+00 — IRON PIN — F.P. — 180° 02' — 25.4' — 30.9' — 44.4'

P.O.T. 7"J"+00 — P.K. SPIKE — F.P. — 21.2' — 22.8'

N

ARNOLD B. KRUEGER

ARNOLD B. KRUEGER

TYPE "F" INTERSECTION SEE DETAIL SHEET 2.1

P.I. 173+48.59 = 10"J"+00

EDWARD SLIWICKI

180° 02'

13"H"

PUBLIC ROAD

LINDEN LANE

ROCK FENCE

11"H"

180° 06'

50'

145

150

155

160'

41.25'

165

170

175

P.E.

P.I.

P.I. 147+12.29 = 10"H"+00

91° 39'

9"H"

TYPE "F" INTERSECTION LT & RT. SEE DETAIL SHEET 2.1

S

B

H

ORCHARD

89° 52'

8"J"

APPLE ORCHARD

MORGAN K. WARNER

LINDEN LANE

PUBLIC ROAD

THEODORE ZIMMERMAN

P.I. +00 EL. 88.26

ERWIN FUST

EDWARD SLIWICKI

PUBLIC ROAD

P.I. FUST LANE

NET LENGTH OF CENTERLINE STA. 145+00 TO STA. 175+00 = 3000 LIN. FT.

UNCL. 8,992 CU.YD.
FILL 6,473 CU.YD.
SHG. 39%

+22

+4.5%

1200' V.C.

P.I. +70 EL. 2641

DITCH GRADE LT.

600' V.C.

P.T. +70 EL. 41.91

P.C. +00 EL. 61.26

147+12.29 = 10"H"+00

STA. 9"H"+72
1-18" X 56' C.P. REQ'D.
REMOVE 1-2'X1.5'X35' CONC. BOX CULV.

14"H" 13"H" 12"H" 11"H"+50 10"H"+50 9"H" 8"H" 7"H"

35.5 38.0 38.8

P.T. +00 EL. 43.28

-1.5%

DITCH GRADE RT.

P.C. +85 EL. 21.88

173+48.59 = 10"J"+00

10"J"+50 9"J" 8"J" 7"J"

98.2 01.8 05.8

STA. 173+18
REMOVE 1-2'X1.5'X26' CONC. BOX CULV.
STA. 173+00
1-24"X46' C.P. REQ'D.

STA. 169+98
REMOVE 1-24"X30' R.C.C.P.
1-36"X22"X46' C.M.P.A. REQ'D.

-0.699%

P.T. +40 EL. 96.90

P.I. +85 EL. 99.38

27.94 33.54 38.64 43.26 47.76 52.26 56.76 61.26 65.26 68.26 70.26 71.26 71.26 70.26 68.26 65.26 61.26 56.26 50.26 43.26 35.76 28.26 20.77 14.01 08.38 03.87 00.51 98.28 97.18 96.38 95.04

145 6 7 8 9 150 1 2 3 4 155 6 7 8 9 160 1 2 3 4 165 6 7 8 9 170 1 2 3 4 175

1370 1360 1350 1340 1330 1320 1310 1300 1290

PLATE 1—PLAN—PROFILE

BRUNING NO. 601

D.A.R. 9-61
A.A.K. 3-62
A.J.J. 3-62

NOTED D.A.R. 9-61
CHECKED A.A.K. 3-62
CHECKED A.J.J. 3-62
NOTE BOOK
NO. 4781

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	11	89

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
13	186+70	SPIKE IN 20" PINE	60' LT.	1248.44
14	203+00	SPIKE IN POWER POLE # 140	36' LT.	1251.76

N

EDWARD SLIWICKI

ALBERT GOLZ

P.L.

189+00

192+50

WOODS

PINE PLANTATION

P.E.

41.25'

18.75'

13.75'

L.H.E.

175 180 185 190 195 200 205

CATTLE H_2O

LANE

H

SMOKE HOUSE

G

ALFRED WESTMAN

EDWARD SLIWICKI

JOHN PONTZLOFF

END OF SECTION 1
STA. 199+80

NET LENGTH OF CENTERLINE STA. 175+00 TO STA. 199+80 = 2480 LIN. FT.

UNCL. 6,106 CU.YD.
FILL 4,396 CU.YD.
SHG. 39%

UNCL 2,527 CU.YD.
BORROW 3,039 CU.YD.
FILL 4,009 CU.YD.
SHG. 39%

P.I. 1+40 EL. 1948.0

DITCH GRADE LT. 600' V.C.

P.T. 1+40 EL. 82.29

-4.17%

DITCH GRADE RT.

DITCH GRADE LT.

P.C. +25.55 EL. 45.33

650' V.C.

+31

+80

P.T. 175.55 EL. 40.88

+2.8%

P.C. 180.00 EL. 43.80

DITCH GRADE LT.

P.I. +30.00 EL. 48.00

+1.0%

300' V.C.

P.T. +80.00 EL. 49.30

STA. 191+33
1-48"X36" R.C.C.P. IN PLACE — TO REMAIN
EXTEND LT. 20' & RT. 22'
SKEW 14° R.H.F.

P.I. +30.85 EL. 31.78

1300 1290 1280 1270 1260 1250 1240 1230

95.04 93.12 90.63 87.56 83.91 79.78 75.61 71.44 67.27 63.10 58.93 54.76 50.59 46.41 42.53 39.70 37.93 37.24 37.62 39.07 41.56 44.35 46.73 48.51 49.70 50.70

175 6 7 8 9 180 1 2 3 4 185 6 7 8 9 190 1 2 3 4 195 6 7 8 9 200

PROFILE SURVEYED — PLOTTED — NOTE BOOK — NO. 4716 — GRADE CHECKED — R.I.S. D.A.R. A.J.H. A.J.J. — STRUCTURE NOTATIONS CHECKED

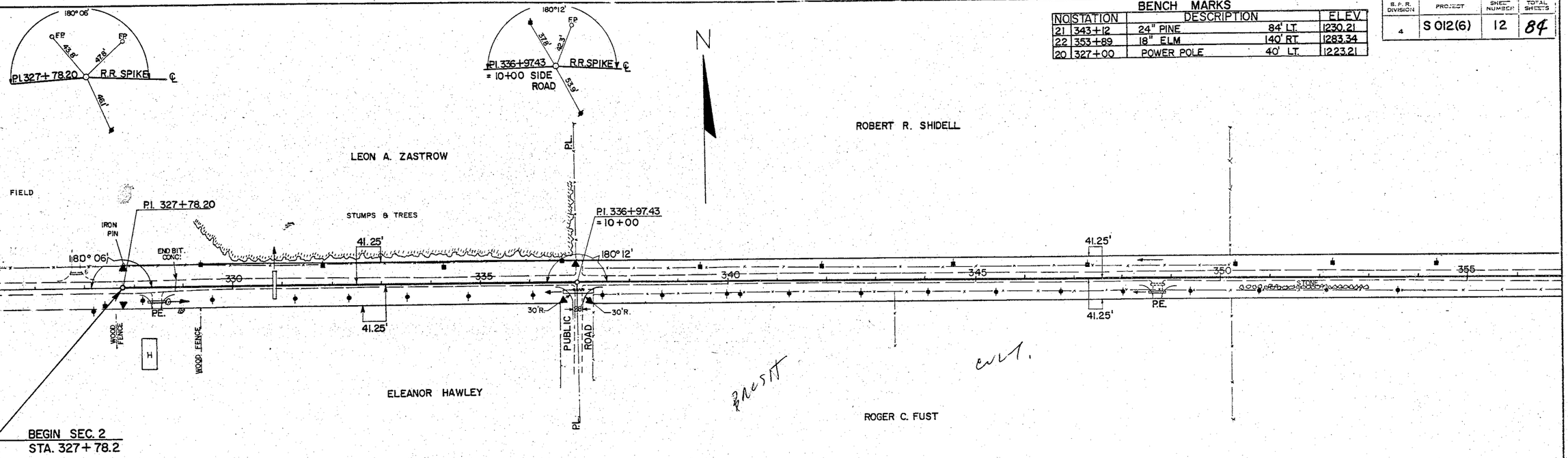
PLATE 1—PLAN—PROFILE & [illegible]

BRUNING No. 501

B. F. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	12	84

BENCH MARKS

NO	STATION	DESCRIPTION		ELEV.
21	343+12	24" PINE	84' LT.	1230.21
22	353+89	18" ELM	140' RT.	1283.34
20	327+00	POWER POLE	40' LT.	1223.21



NET LENGTH OF CENTERLINE STA. 327+78.2 TO STA. 355+00 = 2721.8 LIN. FT.

UNCL. 3,406 CU.YD.
BORROW 5,300 CU.YD.
FILL 6,220 CU.YD.
SHG. 40%

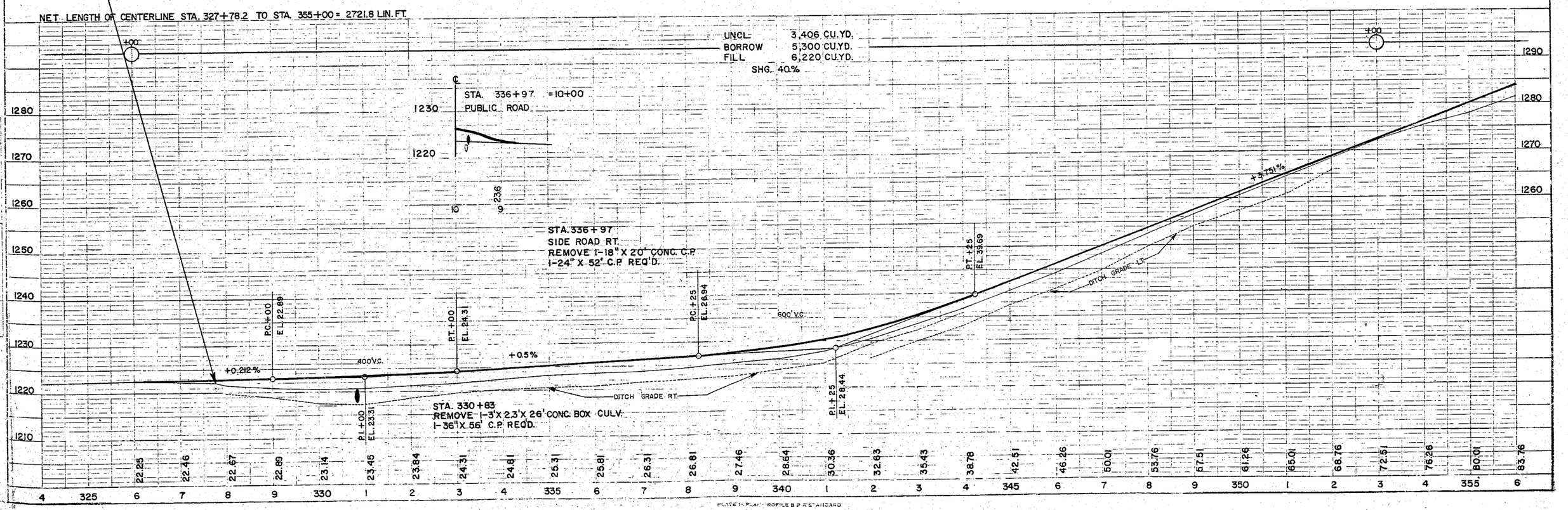


PLATE 1-PLAN PROFILE B P R STANDARD

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
23	363+78	SPK. IN POWER POLE 81' LT.	1307.13
24	380+76	SPK. IN POWER POLE 70' LT.	1325.06

P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012 (6)	13	84

178° 55'
640'
388.0'
633.3'
P.I. 363+48.52 = 10"A"+00
℄ R.R. SPIKE
15"A" P.L.
PUBLIC ROAD
13"A"
N
ROBERT R. SHIDELL
RUPERT STEINKE
CLARENCE C. FUST
Roy Kaufmann
CULT.
B
H
41.25'
PC. 360+23.51
P.E.
86° 33'
178° 55'
P.T. 366+73.53
355
360
365
370
375
380
385
WELL
GAS PUMP
G
P.I. 363+48.52 = 10"A"+00
TYPE "F" INTERSECTION
SEE DETAIL SHEET 2.1
LE ROY HITZKE
P.L.
ROGER C. FUST
CLARENCE C. FUST

P.I. ℄ 363+48.52
Δ 1°-05'
D 0°-10'
T 325.01'
L 650.02
R 34,377.48'

NET LENGTH OF CENTERLINE STA. 355+00 TO STA. 385+00 = 3000 LIN.FT.

UNCL. 4,439 CU.YD.
FILL 3,170 CU.YD.
SHG. 40%

UNCL. 2,896 CU.YD.
FILL 2,069 CU.YD.
SHG. 40%

+56
+37
+3.751%
+0.698%
P.I.+20 EL.1077
P.T.+70 EL.13.21
P.C.+70 EL.97.64
700' V.C.
DITCH GRADE LT.
DITCH GRADE RT.
STA. 364+02
1-29"X18"X44' C.M.P.A. REQ'D.
363+48.52 = 10"A"+00
STA. 384+54
REMOVE 1-18"X30' R.C.C.P.
1-24"X76' C.P. REQD.

1330
1320
1310
1300
1290
1280
1270

80.01 83.76 87.52 91.27 95.02 98.75 02.15 05.12 07.64 09.74 11.39 12.61 13.42 14.12 14.82 15.51 16.21 16.91 17.61 18.30 19.00 19.70 20.40 21.09 21.79 22.49 23.19 23.88 24.58 25.28 25.98

355 6 7 8 9 360 1 2 3 4 365 6 7 8 9 370 1 2 3 4 375 6 7 8 9 380 1 2 3 4 385

07.5 04.8

10"A"+50 11"A" 12"A" 13"A" 14"A" 15"A"

R.J.S. 8-61
D.A.R. 9-61
A.A.K. 9-61
A.J.J. 3-62

PND: LLE
SHEETS PREPARED BY CADD SYSTEM
PLOTTED ON CALCOMP PLOTTER
STRUCTURE NOTATION PER
NOTE BOOK EQUIPMENT CIRCULAR
No. 4716 RT. OF WAY DIRECTIVE

B. of R. DIVISION	PROJECT	R. ST. NO.	TOTAL SHEETS
4	S 012 (6)	14	84

BENCH MARKS

NO	STATION	DESCRIPTION		ELEV.
25	389+66	SPK. IN POWER POLE	67' RT.	1330.14
26	397+33	SPK. IN POWER POLE	100' RT.	1330.07

P.I. 389+90.45 = 10"B"+00 — R.R. SPIKE — ℄ — 179° 27' — 35.6' — 58.90' — 76.05'

N

CLARENCE C. FUST

P.O.T. 406+29.28 — P.K. SPIKE — ℄ — 29.6' — 30.1' — 33.5' — BLUE X ON PAVT.

AUGUST C. MUELLER

TYPE "F" INTERSECTION
SEE DETAIL SHEET 2.1

P.I. 389+90.45 = 10"B"+00

388+00 — 395+00 — 410+00

41.25' — 179° 27' — 10' L.H.E. — 41.25' — 10' L.H.E. — 41.25'

385 — 390 — 395 — 400 — 405 — 410 — 415

COMM. P.E. — 94° 02' — COMM. P.E. — SIGN — PUMP — TAV. — P.E. — P.E.

P.L. TOWN OF RINGLE — 8"B" — 7"B" — P.L. PUBLIC ROAD

CLARENCE C. FUST

LEO R PAULUS — P.L.

OSCAR LODHOLZ

NET LENGTH OF CENTERLINE STA. 385+00 TO STA. 415+00 = 3,000 LIN. FT.

UNCL. 11,044 CU.YD.
FILL 7,893 CU.YD.
SHG. 40%

+52 — UNCL. 1,352 CU.YD. — FILL 961 CU.YD. — SHG. 40% — +81

P.I. +50 EL. 30.89

+0.698% — DITCH GRADE L.T. — 389+90.45 = 10"B"+00 — ℄ — P.C. +50 EL. 34.69

STA. 402+02
REMOVE 1-18" X 30' R.C.C.P.
1-24" X 70' C.P. REQ'D.

1200' V.C.

-3.827% — P.T. +50 EL. 15.92 — P.C. +65 EL. 07.69 — DITCH GRADE L.T.

1330 — 1320 — 1310 — 1300 — 1290 — 1280

10"B"+50 — 9"B" — 8"B" — 7"B" — 6"B" — 5"B"

25.98 — 26.67 — 27.37 — 28.07 — 28.77 — 29.15 — 30.16 — 30.86 — 31.56 — 32.25 — 32.95 — 33.65 — 34.35 — 34.99 — 35.32 — 35.26 — 34.83 — 34.01 — 32.83 — 31.26 — 29.33 — 27.00 — 24.31 — 21.24 — 17.79 — 14.00 — 10.18 — 06.38 — 02.97 — 00.07 — 97.65

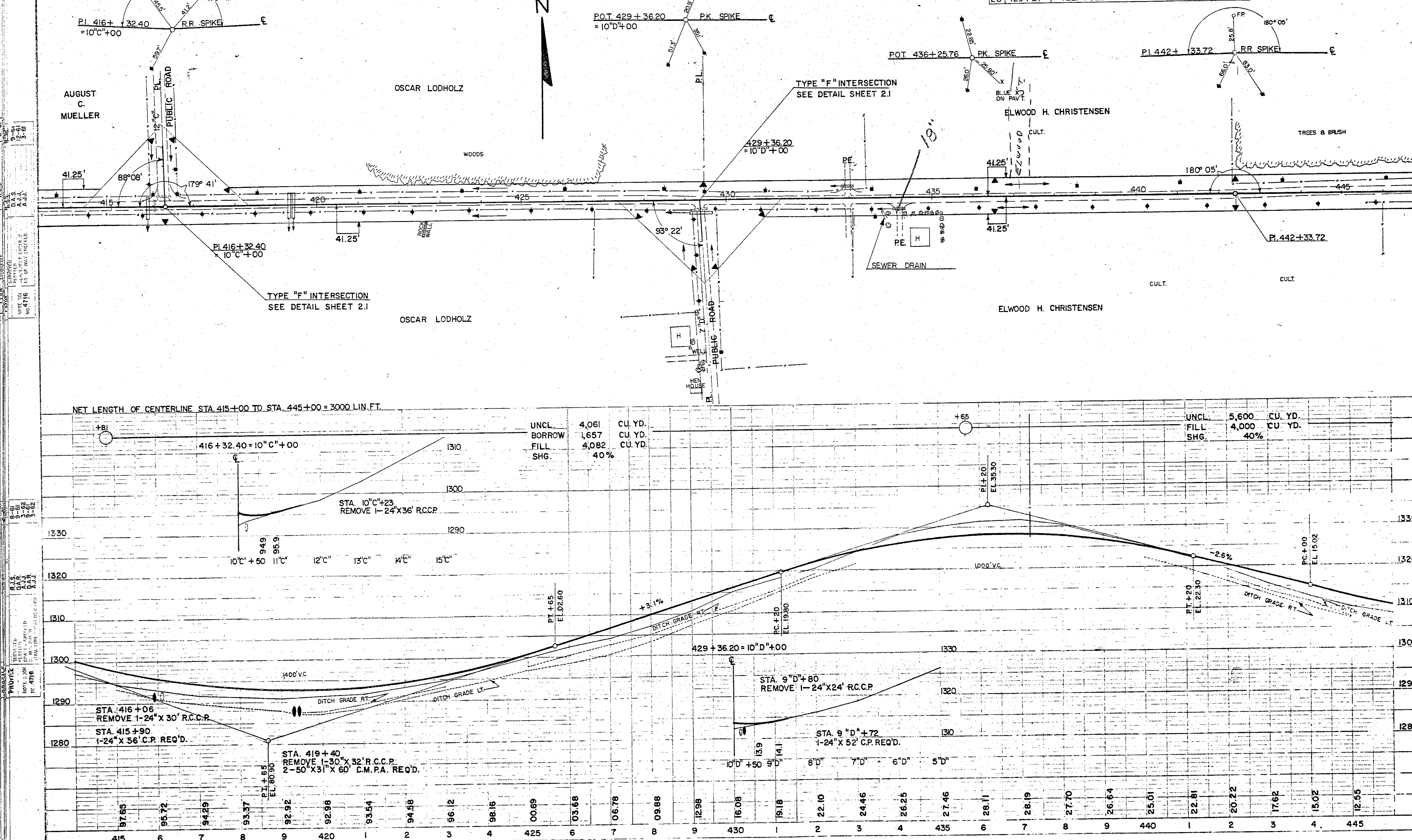
385 — 6 — 7 — 8 — 9 — 390 — 1 — 2 — 3 — 4 — 395 — 6 — 7 — 8 — 9 — 400 — 1 — 2 — 3 — 4 — 405 — 6 — 7 — 8 — 9 — 410 — 1 — 2 — 3 — 4 — 415

PLATE 1 — PLEASANTON, U.S.B.P.R. STANDARD

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	15	84

BENCH MARKS

NO	STATION	DESCRIPTION		ELEV.
27	416 + 62	SPK. IN POWER POLE	88' LT.	1293.90
28	429+21	TEL. POLE	50' RT.	1312.76



B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S012(6)	16	84

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
29	453+80	28" OAK	122' LT.	1301.05
30	469+66	GUIDE POLE	60' RT.	1296.02

ELWOOD H. CHRISTENSEN

ROY HETTINGA

BLUE X ON COR. OF FENCE

459.6' 61.7' 180°33'

P.I. 470+00.97 = 10"E"+00

R.R. SPIKE

39.4'

℄

P.I.

13"E"

C.T.H. "O"

EQUATION

455+00 BACK = 456+00 AHEAD

BRUSH & WOODS

41.25'

B WELL

P.E.

H DRY WELL

P.I. 86°14'

SUB STATION

P.I. 470+00.97 = 10"E"+00

180°33'

445 450 460 465

41.25' 41.25' 41.25'

P.E.

93°10'

PASTURE

ELWOOD H. CHRISTENSEN

ROY HETTINGA

7"E"

P.L. PUBLIC ROAD

NET LENGTH OF CENTERLINE STA. 445+00 TO STA. 470+01 = 2401.0 LIN. FT.

UNCL. 3,619 CU. YD.
FILL 2,587 CU. YD.
SHG. 40%

+46

STA. 470+01
END OF SECTION 2

470+00.97 = 10"E"+00

+00

8"E" 9"E" 10"E" 11"E" 12"E"

1320 1310 1300 1290

P.C. +00 EL. 1302

1,200' V.C.

DITCH GRADE LT.

DITCH GRADE RT.

P.I. +00 EL. 99.42

P.T. +00 EL. 0166

+0.374%

DITCH GRADE LT.

DITCH GRADE RT.

STA. 456+60
REMOVE 1-24" X 32' R.C.C.P.
I-24" X 66' C.P. REQ'D.

P.I. +60 EL. 05.26

700' V.C.

P.I. +10 EL. 03.95

-2.09%

P.T. +10 EL. 97.94

200'

455+00 BACK = 456+00 AHEAD

12.55 10.32 08.35 06.62 05.15 03.92 02.95 02.22 01.75 01.52 01.82 02.22 02.62 03.02 03.42 03.82 04.08 03.98 03.52 02.71 01.55 00.03 98.15 97.11 95.02 93.97

445 6 7 8 9 450 1 2 3 4 7 8 9 460 1 2 3 4 465 6 7 8 9 470 1

BRUNING NO. 601

PLATE I—PLAN—PROFILE R. V. C. & S. E.
MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY, INC.

NOTE BOOK PLOTTED D.A.R.
NO. 4716 ALIGNMENT CHECKED A.J.J.
PROFILE CHECKED D.A.R.
A.J.J.

9-61
9-61
3-62

C.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012 (6)	17	84

BENCH MARKS

NO	STATION	DESCRIPTION		ELEV.
34	522+97	TEL. POLE	42' LT.	1277.97
35	528+31	26" ELM	75' LT.	1276.05
36	542+24	16" MAPLE	81' RT.	1278.43

PI 522+73.47 = 10"F"+00 — R.R. SPIKE — 179° 21' — 49.2' — 49.0' — 99.7'

PUBLIC ROAD — 15'-0"

GRANT MERRIAM

PI 549+16.39 — R.R. SPIKE — 180° 08' — O.F.P. — F.P. — 30.0' — 38.40' — 30.85'

MELVIN MERRIAM

90° 23' — 179° 21' — 93° 11'

520 — 525 — 530 — 535 — 540 — 545 — 550

41.25' — 43.75' — P.E. — 5' L.H.E. — 180° 08'

PI 522+73.47 = 10"F"+00

PI 549+16.39

HERBERT J. KURTH

℄ PROPOSED CHANNEL CHANGE

ERNEST H. TE PASKE

ANDREW HETTINGA

TYPICAL SECTION FOR CHANNEL CHANGE
STA. 529± TO STA. 540±

NET LENGTH OF CENTERLINE STA. 522+73.5 TO STA. 550+00 = 2726.5 LIN.FT.

UNCL. 1,436 CU.YD.
FILL 1,104 CU.YD.
SHG. 30%

UNCL. 9,176 CU.YD.
FILL 7,057 CU.YD.
SHG. 30%

STA. 522+73.5
BEGIN SECTION 3

C.T.H. "Q" TO RINGLE

522+73.47 = 10"F"+00

5"F" 6"F" 7"F" 8"F" 9"F" 10"F" 11"F" 12"F" 13"F" 14"F" 15"F"

-0.642% — 400' V.C. — P.C. +00 EL. 76.03 — P.T. +00 EL. 75.35 — +0.306% — 600' V.C. — P.C. +44 EL. 78.56 — P.T. +44 EL. 90.10 — +3.538% — P.C. +50 EL. 97.36 — P.I. +50 EL. 108.00

P.I. +50 — P.I. +00 EL. 74.75 — DITCH GRADE L.T. — NORMAL H_2O 1265.0 — HIGH H_2O 1272.3

STA. 529+43
REMOVE 1-10' SPAN-23' RDWY. CONC. CULV. (BRIDGE TYPE)
1- TWIN 8'X8'X46.5' CONC. BOX CULV. REQ'D., C-37-32
SEE DRAWING X24869

STA. 533+60
REMOVE 1-4' X2.5' X 28' CONC. BOX CULV.

STA. 539+59
REMOVE 1-24" X 30' CONC. PIPE

DITCH GRADE L.T. — P.I. +44 EL. 79.48

1320 1310 1300 1290 1280 1270

79.20 78.60 77.96 77.32 76.68 76.03 75.51 75.22 75.18 75.36 75.67 75.98 76.28 76.59 76.89 77.20 77.51 77.81 78.12 78.43 78.81 79.70 81.11 83.06 85.56 88.59 92.08 95.82 99.08 02.05 04.44 06.26

520 1 2 3 4 525 6 7 8 9 530 1 2 3 4 535 6 7 8 9 540 1 2 3 4 545 6 7 8 9 550 1

SCALES: 1" = 100' HORIZ. & 10' VERT. ON STANDARD

DIST. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012 (6)	18	84

BENCH MARKS

NO.	STATION	DESCRIPTION		ELEV.
37	554+77	CROSS ON STEP	82' LT.	1313.70
38	566+62	SPK. IN POWER POLE	44' LT.	1322.01
39	575+30	SPK. IN POWER POLE	45' LT.	1329.86

P.O.T. 553+00 — P.K. SPIKE — ℄

FP. 15" ELM, 27.1', 28.8', 27.8', FP.

MELVIN MERRIAM

HENRY FRAAZA

ANDREW HETTINGA

ANDREW HETTINGA

EPCO ABMA

P.I. 549+16.39

180° 08'

P.E.

41.25'

41.25'

41.25'

41.25'

41.25'

41.25'

550 555 560 565 570 575 580

N

PUMP

P.I. 575+63.45 = 10"G"+00

R.R. SPIKE

FP. 32.6', 38.4', FP. 179° 36', 40.4', FP.

91° 54'

92° 34'

179° 36'

P.I. 575+63.45 = 10"G"+00

TYPE "F" INTERSECTION LT. & RT.
SEE DETAIL SHEET 2.1

PUBLIC ROAD 13'G" 12'G"

PUBLIC ROAD 7'G" 8'G"

NET LENGTH OF CENTERLINE STA. 550+00 TO STA. 580+00 = 3000 LIN. FT.

(1)

+15 — UNCL. 5225 CU. YD. FILL 4019 CU. YD. SHG. 30%

+88 — UNCL. 3950 CU. YD. FILL 3037 CU. YD. SHG. 30%

+72

+3.538%

+0.100%

+2.339%

+0.100%

600' V.C.

P.I. +50 EL. 08.00

P.C. +04 EL. 08.75

P.T. +04 EL. 16.07

P.I. +74 EL. 31.74

P.C. +74 EL. 24.72

P.T. +74 EL. 32.04

P.T. +50 EL. 08.30

P.I. +69 EL. 09.05

575+63.45 = 10"G"+00

DITCH GRADE RT.

DITCH GRADE LT.

STA. 558+52
REMOVE 1-15"X26' R.C.C.P.
1-24"X 60' C.P. REQ'D.

STA. 578+78
REMOVE 1-24"X 30' R.C.C.P.
1-24"X66' C.P. REQ'D.

STA. 9"G"+82
REMOVE 1-18"X38' C.M.C.P.
STA. 9"G"+75
1-24"X 58' C.P. REQ'D.

1340 1330 1320 1310 1300 1290

5'G" 6'G" 7'G" 8'G" 9'G" +50 10'G" +50 11'G" 12'G" 13'G"

31.3 31.6 31.4 29.8

02.05 04.44 06.26 07.51 08.18 08.35 08.45 08.55 08.65 08.75 09.02 09.67 10.69 12.08 13.84 15.97 18.31 20.65 22.99 25.32 27.37 29.06 30.37 31.30 31.87 32.06 32.16 32.26 32.36 32.46 32.56 32.66

9 550 1 2 3 4 555 6 7 8 9 560 1 2 3 4 565 6 7 8 9 570 1 2 3 4 575 6 7 8 9 580

PLATE I-PLAN-PRO-LE & P.R STANDARD

SURVEYED R.W.K. 8-61
DRAWN R.W.K. 9-61
PLOTTED A.J.J. 3-62
TRACED R.A.R. 3-62
CHECKED A.J.J. 3-62
S. M. NO. 4716
STRUCTURE NOT TYPICAL

NOTE BOOK
FILE NO. 4716
RT. OF WAY CHECKED
ALIGNMENT CHECKED
SURVEYED

E.T.P. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012 (6)	19	84

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
40	594+23	SPK. IN POWER POLE 45' LT.	1357.52
41	609+76	SPK. IN POWER POLE 46' LT.	1349.85

ANDREW HETTINGA

HELEN MAE BARDEN

ANDREW HETTINGA

JENNIE TE PASKE

FORESTVILLE CHURCH PROPERTY

JOHN GUERINK

GAS TANK

EPCO ABMA

ANDREW HETTINGA

RICHARD HERREMA, SR.

36" WHITE PINE

FP.

29.2'

51.1'

179° 58'

R.R. SPIKE

P.I. 602 + 03.88

43.4'

41.25'

41.25'

41.25'

P.E.

P.L.

H

580 585 590 595 600 605 610

179° 58'

BUCKET FENCE

NET LENGTH OF CENTERLINE STA. 580+00 TO STA. 610+00 = 3000 LIN. FT.

UNCL. 5,100 CU. YD.
FILL- 3,922 CU. YD.
SHG. 30 %

+44

P.I. +38 EL. 32.90

P.C. +38 EL. 32.70

P.T. +38 EL. 36.88

P.C. +40 EL. 56.85

P.I. +90 EL. 65.81

P.C. +77 EL. 52.17

P.T. +40 EL. 53.21

P.I. +77 EL. 46.57

P.I. +77 EL. 47.44

400' V.C.

900' V.C.

400' V.C.

+0.100%

+1.999%

-2.800%

+0.433%

DITCH GRADE RT.

DITCH GRADE LT.

DITCH GRADE LT.

DITCH GRADE RT.

DITCH GRADE LT.

DITCH GRADE RT.

STA. 606+32
REMOVE 1-24"X28' R.C.C.P.
1-36"X56' C.P. REQ'D.

1340
1330
1320
1370
1360
1350
1340

32.56 32.66 32.86 33.46 34.56 36.16 36.12 40.11 42.10 44.16 46.09 48.08 50.07 52.06 54.06 56.05 57.94 59.35 60.22 60.57 60.38 59.65 58.39 56.61 54.29 51.55 49.34 47.94 47.35 47.54 47.91 48.40 48.83

9 580 1 2 3 4 585 6 7 8 9 590 1 2 3 4 595 6 7 8 9 600 1 2 3 4 605 6 7 8 9 610 1

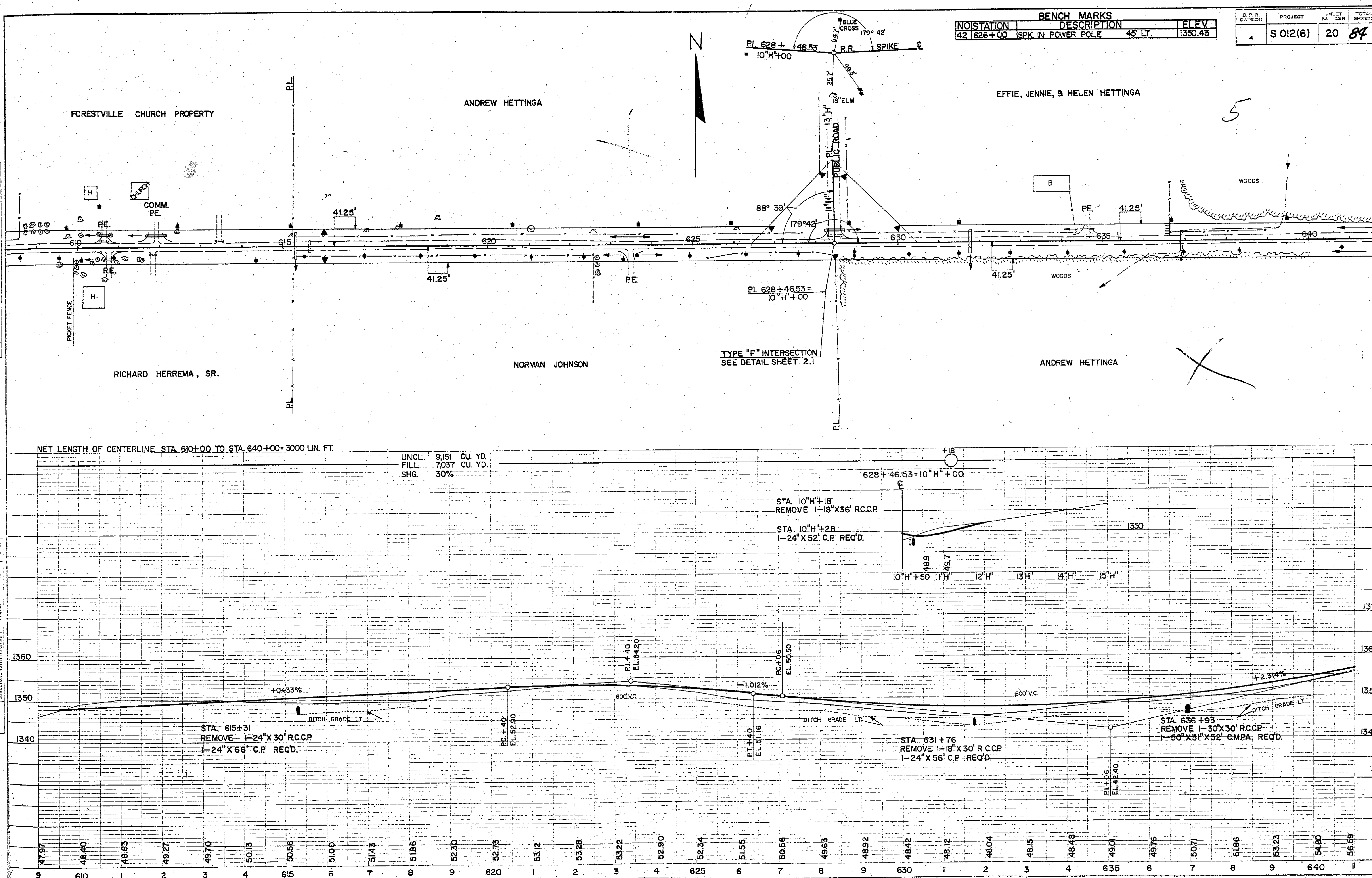
PLATE 1-PLAN-PROFILE D.P.W. STANDARD
DESIGN STANDARD NO. 1-1-61

DESIGNED 8-61
DRAWN R.V.S. 9-61
TRACED D.A.R. 9-61
CHECKED A.J.J. 9-61
QUANTITIES CHECKED A.J.J. 3-62
STRUCTURE DETAILS CHECKED D.A.R. 3-62
QUANTITIES PLOTTED
GRAPHIC CHECKED
NOTE ITEMS PRINTED ATTACHMENT CHECKED
NOTE ITEMS PRINTED AT END OF PROJECT
NOTE ITEMS NO. 4116
STRUCTURE DETAILS NO. 4116

BENCH MARKS

NO	STATION	DESCRIPTION		ELEV.
42	626+00	SPK. IN POWER POLE	45' LT.	1350.43

B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	20	84



P.R.E. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	21	89

BENCH MARKS

NO	STATION	DESCRIPTION		ELEV
43	647+00	SPK. IN 26" ELM	82' LT.	1368.68
44	660+13	SPK. IN POWER POLE	54' LT.	1413.20

N

BLUE X ON F.P. — BLUE X ON F.P. — 373' — 481' — 180° 20' — P.I. 655+04.50 — R.R. — SPIKE — ℄ — 317' — BLUE "X"

NORMAN JOHNSON

EFFIE, JENNIE, & HELEN HETTINGA

JOHN VAN VUREN

JACOB VAN PROOYAN

ALFRED ZAUGG

PETER H. SUWYN

BASEMENT EXCAVATION

WOODS

41.25'

640 — 645 — 650 — 655 — 660 — 665 — 670

P.I. 655+04.50

180° 20'

100'

L.H.E.

50'

+00

+28

ANDREW HETTINGA

CARL FRED LEMKE

ALFRED L. & DAVID J. NOWAK

NET LENGTH OF CENTERLINE STA. 640+00 TO STA. 670+00 = 3000 LIN. FT.

UNCL.	7,089	CU. YD.
MARSH	1,875	CU. YD.
FILL	6219	CU. YD.
SHG.	30%	
FILL	1,875	
SHG.	50%	
B.	3,811	

P.T.+06 EL. 60.91 — P.C.+24 EL. 75.21 — P.I.+24 EL. 82.15 — P.T.+24 EL. 98.65 — P.C.+64 — P.I.+64 EL. 22.85 — P.T.+64 EL. 24.35 — P.C.+74 EL. 25.40 — P.I.+74 EL. 27.40 — P.T.+74 EL. 35.40

+2.314% — +5.5% — +0.50% — +4.0%

600' V.C. — 600' V.C. — 600' V.C. — 400' V.C.

DITCH GRADE LT. — DITCH GRADE RT.

MARSH

STA. 665+71
REMOVE 1-18"X30' R.C.C.P.
1-30"X54'C.M.C.P. REQ'D.

1430 — 1420 — 1410 — 1400 — 1380 — 1370 — 1360 — 1350 — 1340

53.23 — 54.80 — 56.59 — 58.58 — 60.77 — 63.08 — 65.40 — 67.71 — 70.03 — 72.34 — 74.65 — 77.12 — 80.10 — 83.61 — 87.66 — 92.24 — 97.35 — 02.83 — 08.28 — 13.06 — 17.01 — 20.13 — 22.41 — 23.86 — 24.53 — 25.03 — 25.53 — 26.03 — 26.56 — 27.72 — 29.76 — 32.68 — 3644

PLATE I PLAN-PROFILE B.P.R. STANDARD

DESIGN EXCEPTIONS: NONE

PROFILE — SURVEYED 9-61; PLOTTED 9-61; GRADES CHECKED 9-61; STRUCTURE NOTES CHKD 3-62 — R.J.S. D.A.R. D.A.R. A.J.J. — NOTE BOOK NO. 4716 — ALIGNMENT CHECKED RT OF WAY CHECKED — R.W.K. A.J.J.

O.P. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	22	89

BENCH MARKS

NO	STATION	DESCRIPTION		ELEV.
45	680+00	CROSS ON WELL COVER	73' LT.	1449.45
46	697+08	SPK. IN POWER POLE	48' LT.	1432.10
45A	682+87	U.S.G.S. BENCH MARK	36' LT.	1451.47

BLUE X ON EDGE OF PAV'T. — BLUE X ON EDGE OF PAV'T. — 18.6' — 20.9' — 26.33'

P.O.T. 676+56.63 — P.K. SPIKE — ℄

P.I. 681+51.10 = 10"I"+00 — R.R. SPIKE — ℄ — 62.1' — 178° 31' — 33.3' — 41.10'

P.O.T. 694+62.21 — P.K. SPIKE — ℄ — 66.80' — 27.36' — 31.65' — FP.

N

PETER H. SUWYN

PETER H. SUWYN

GERRIT VLIETSTRA

WOODS

673+17

41.25'

65'

P.C. 678+54.42

(TAN.) 41.25'

89° 03'

WELL

178° 30'

PUBLIC ROAD

12"I"

U.S.G.S. BENCH MARK

P.T. 684+47.78

45'

P.L.

CLARA SUWYN

P.E.

H

41.25'

700

670

675

680

685

690

695

50'

70'

90° 37'

9"I"

P.I. 681+51.10 = 10"I"+00

WOODS

673+17

WOODS

41.25'

P.E.

WOODS

P.E.

L.H.E.

10'

698+00

700+00

41.25'

ALFRED L. & DAVID J. NOWAK

TYPE "F" INTERSECTION LT. & RT.
SEE DETAIL SHEET 2.1

7"I"

PUBLIC ROAD

HENRY SUWYN

GERALD GEURINK

P.I. 681+51.10
Δ 1°29'
D 0°15'
T 296.68'
L 593.36'
R 22,918.32'

NET LENGTH OF CENTERLINE STA. 670+00 TO STA. 700+00 = 3000 LIN. FT.

UNCL.	21,547	CU. YD.
MARSH	5,897	CU. YD.
FILL	9,765	CU. YD.
SHG.	30%	
FILL	5,897	CU. YD.
SHG.	50%	

+00

P.I.+64 EL. 59.00

700' V.C.

+4.0%

DITCH GRADE LT.

681+51.10 = 10"I"+00

P.C.+19 EL. 46.00

STA. 10"I"+32
1-18" X 58' C.P. REQ'D.
REMOVE 1-18"X20' C.M.C.P.

P.T.+14 EL. 52.00

P.C.+06 EL. 46.16

-2.0%

800' V.C.

P.I.+06 EL. 38.16

STA. 679+84
REMOVE 1-24"X26' C.M.C.P.
1-24"X66' C.P. REQ'D.

P.T.+06 EL. 37.76

P.C.+75 EL. 37.69

-0.1%

P.I.+76 EL. 37.29

800' V.C.

-4.989%

STA. 689+98
REMOVE 1-15"X30' R.C.C.P.
1-24"X62' C.P. REQ'D.

P.T.+76 EL. 17.33

1460 1450 1440 1430 1420 1410 1400 1390 1380 1370 1360 1350 1340

7"I" 8"I" 9"I"+50 10"I"+50 11"I" 12"I" 13"I"

4.49 4.79 48.7

23.76 32.68 36.44 40.44 44.44 48.12 50.96 52.93 53.72 52.27 50.28 48.28 46.28 44.38 42.73 41.31 40.12 39.18 38.47 38.00 37.77 37.65 37.10 35.94 34.16 31.78 28.78 25.17 20.95 16.14 11.16

670 1 2 3 4 675 6 7 8 9 680 1 2 3 4 685 6 7 8 9 690 1 2 3 4 695 6 7 8 9 700

PLATE I-11-A, PROFILE & P.R. STANDARD

R.J.S. 8-61
D.A.R. 9-61
A.A.H. 9-62
A.J.J. 3-62

SURVEYED
PLOTTED
DRAWN
NOTE BOOK
NO. 4716

ALIGNMENT CHECKED
GRADES CHECKED
RT. OF WAY CHECKED

PROFILE

BENCH MARKS			
NO	STATION	DESCRIPTION	ELEV.
47	704+42	SPK. IN POWER POLE 53' LT.	1391.96
48	713+77	28" OAK 77' LT.	1342.76

T.H.D. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S 012(6)	23	84

P.I. 706+45.34 = 10"J"+00 — R.R. SPIKE — 179° 40' — FP 37.6' — 9.9' — 23.9'

GERRIT VLIETSTRA

P.L. PUBLIC ROAD

P.L. CHRISTIAN REFORM CHURCH

WOODS

ELMER KUSSMAN

P.I. 722+59.15 — R.R. SPIKE — 180° 18' — FP 25.6' — 31.96' — 39.7' — FP

WOODS

41.25' — 95° 09' — 179° 40' — 180° 18' — 41.25'

PE — PE — PE — PE

700 — 705 — 710 — 715 — 720 — 725 — 730

10' L.H.E. — 41.25' — 700+00 — 705+00 — 706+45.34 = 10"J"+00 — 708+50 — 10' L.H.E. — 721+50 — 5' L.H.E. — 723+50 — 41.25' — 727+75 — 5' L.H.E. — 729+50

GROVE OF TREES

GERALD GEURINK

TYPE "F" INTERSECTION SEE DETAIL SHEET 2.1

ELMER KUSSMAN

WILLIAM KUSSMAN ET. AL.

NET LENGTH OF CENTERLINE STA. 700+00 TO STA. 730+00 = 3000 LIN. FT

UNCL.	2,884	CU. YD.
FILL	2,218	CU. YD.
SHG.	30 %	

UNCL.	6,573	CU. YD.
FILL	5,056	CU. YD.
SHG.	30%	

-4.989%

706+45.34=10"J"+00 ℄

10"J"+50 84.0 — 11"J" 83.8 — 12"J" — 13"J"

STA. 716+75 — 1-43"X27"X52' C.M.P.A. REQ'D.

STA. 717+86 — REMOVE 1-24"X26' R.C.P.

P.C.+02 EL. 51.17 — P.T.+02 EL. 36.93 — P.I.+52 EL. 38.70 — P.C.+00 EL. 35.87 — P.I.+00 EL. 34.10 — P.T.+50 EL. 22.87 — P.C.+40 EL. 00.88

500' V.C. — -0.710% — DITCH GRADE RT. — 500' V.C. — -4.488%

IDENTICAL POINTS

1410 — 1400 — 1390 — 1380 — 1330 — 1320 — 1310 — 1300

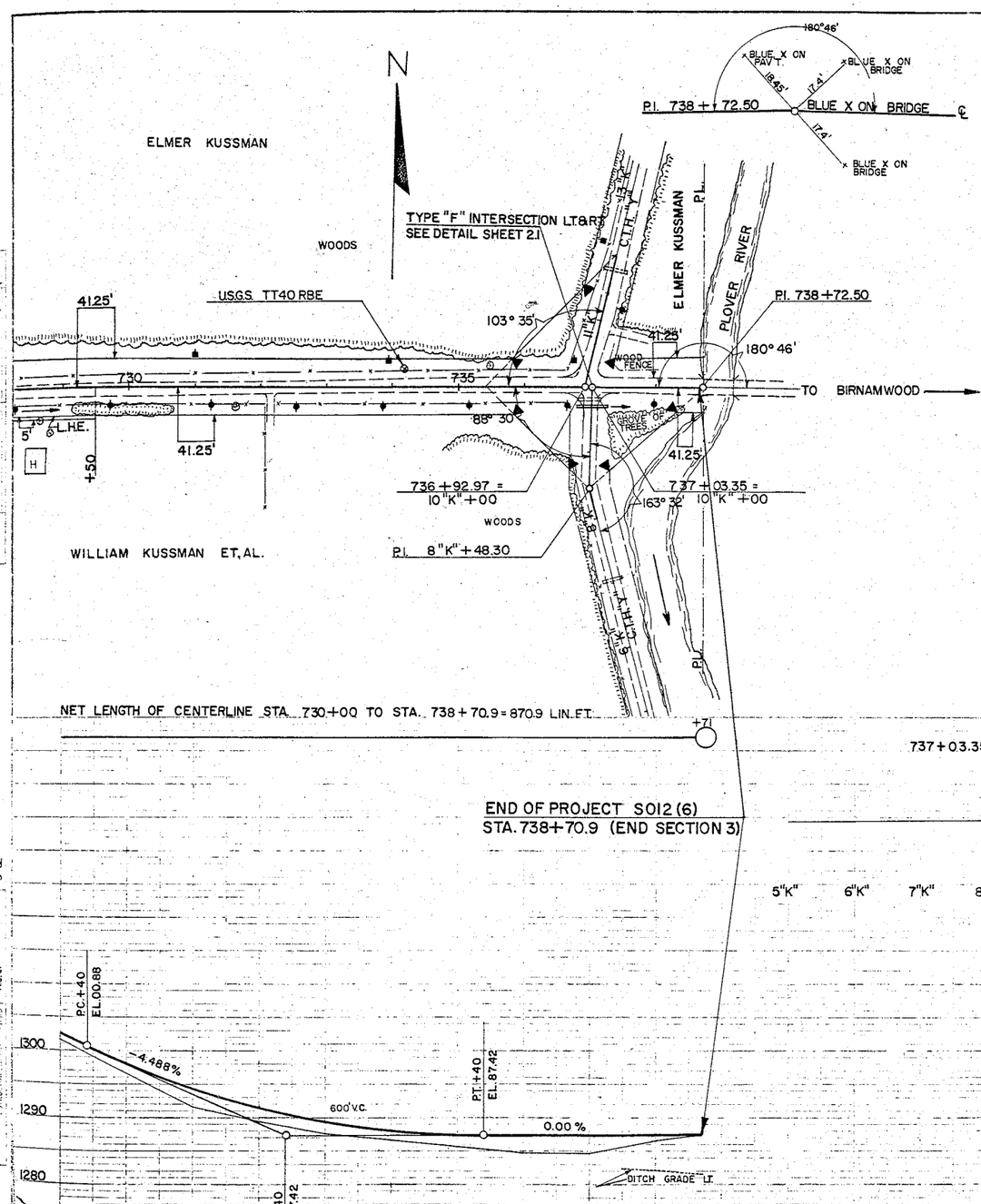
20.95 — 16.14 — 11.15 — 06.16 — 01.17 — 96.18 — 91.19 — 86.20 — 81.21 — 76.22 — 71.23 — 66.24 — 61.25 — 56.26 — 51.27 — 46.69 — 42.97 — 40.11 — 38.10 — 36.94 — 36.23 — 35.43 — 33.96 — 31.74 — 28.76 — 25.03 — 20.65 — 16.15 — 11.66 — 07.17 — 02.66 — 98.32 — 94.66

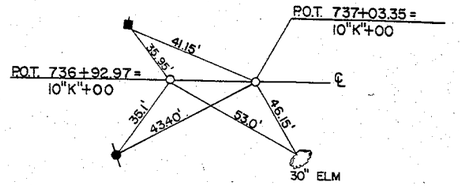
9 700 1 2 3 4 705 6 7 8 9 710 1 2 3 4 715 6 7 8 9 720 1 2 3 4 725 6 7 8 9 730

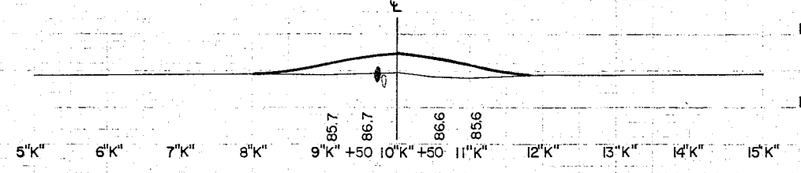
BENCH MARKS

NO	STATION	DESCRIPTION		ELEV
48A	734+19	U.S.G.S. BM.	21' LT.	1285.83
49	738+72	CROSS IN CURB	13' LT.	1288.09

C.P.R. CIV. DIV.	PROJECT	SHEET NO. THIS	TOTAL SHEETS
4	S 012(6)	24	84

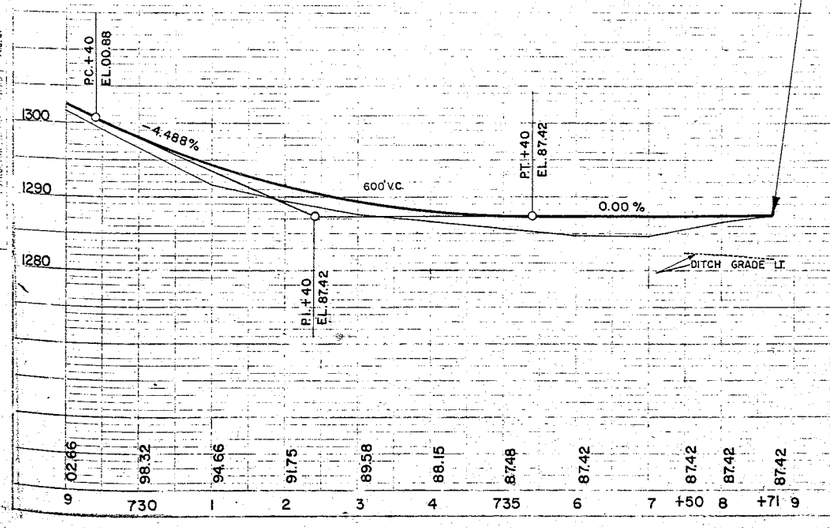




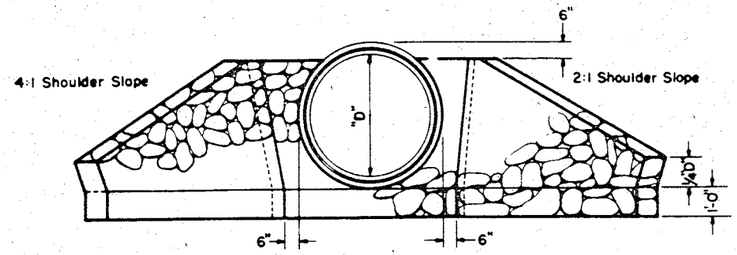


STA. 9"K"+72
1-24" X 52' C.P. REQ'D.

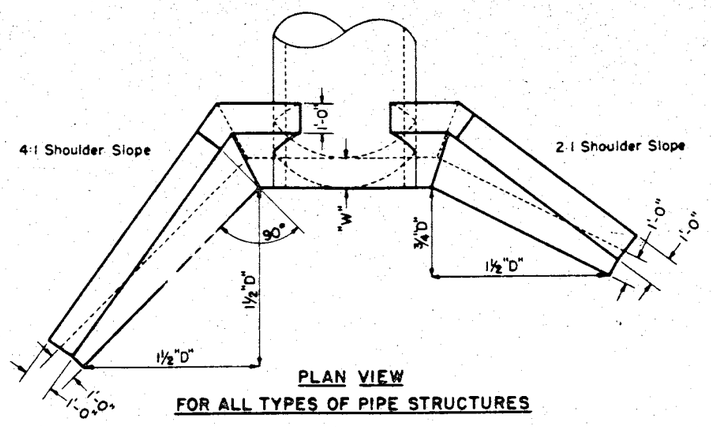
STA. 9"K"+77
REMOVE 1-18" X 44' R.C.C.P.



25-84



END ELEVATION
SHOWING CONCRETE CIRCULAR PIPE INCL. CATTLE PASS



PLAN VIEW
FOR ALL TYPES OF PIPE STRUCTURES

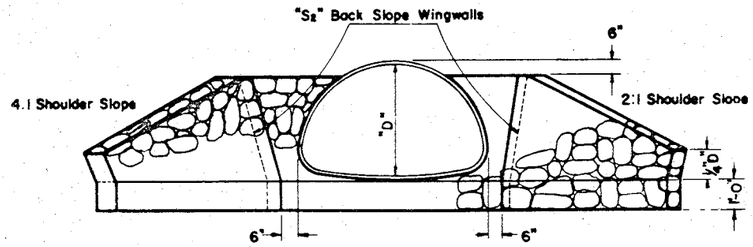
CIRCULAR PIPE		Cu. Yds Mortar Rubble Masonry or Riprap per Endwall		"A" (Feet)	"B" (Feet)	Front Slope "S1"	Back Slope "S2"	Width of Footing at "W" (Feet)
Size of Pipe	Type of Pipe	4:1 Slope	2:1 Slope	4:1 Slope	2:1 Slope			
24"	R.C.C.P.	1.2	1.0	3.4	0.8	½:1	½:1	1.0
	C.M.C.P.	1.0	0.8	2.8	0.6	"	"	"
30"	R.C.C.P.	1.5	1.3	5.1	1.5	"	"	"
	C.M.C.P.	1.3	1.0	4.6	1.3	"	"	"
36"	R.C.C.P.	2.0	1.6	6.9	2.3	"	"	"
	C.M.C.P.	1.7	1.3	6.3	2.1	"	"	"
42"	R.C.C.P.	2.6	2.1	8.9	3.1	"	"	"
	C.M.C.P.	2.2	1.7	8.1	2.9	"	"	"
48"	R.C.C.P.	3.2	2.6	10.7	3.9	"	"	"
	C.M.C.P.	2.8	2.2	9.8	3.6	"	"	"
60"	R.C.C.P.	8.4	6.9	14.5	5.5	"	¼:1	2.38
	C.M.C.P.	6.9	5.9	13.3	5.2	"	"	2.20
72"	R.C.C.P.	12.4	9.9	18.3	7.1	"	"	2.68
	C.M.C.P.	10.0	8.0	16.8	6.2	"	"	2.40

PIPE ARCH

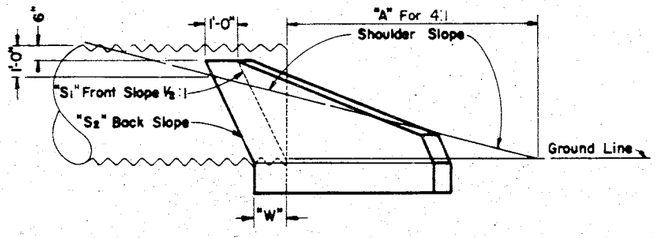
29"x18"	C.M.C.P.	1.0	0.8	1.1	0.3	½:1	½:1	1.0
36"x22"	"	1.3	1.0	2.2	0.5	"	"	"
43"x27"	"	1.7	1.2	3.7	1.0	"	"	"
50"x31"	"	1.9	1.4	4.9	1.5	"	"	"
58"x36"	"	2.1	1.7	6.3	2.1	"	"	"
65"x40"	"	2.5	2.0	7.5	2.6	"	"	"
72"x44"	"	2.9	2.4	8.6	3.1	"	"	"

CATTLE PASS

72"	ALTERNATE	12.4	9.9	18.3	7.1	"	"	2.68



END ELEVATION
SHOWING CORRUGATED METAL PIPE ARCH



SIDE ELEVATION

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2409, 2512 and 4106 and the applicable Special Provisions.

CONCRETE MASONRY SUBSTITUTE

All items shown hereon may be constructed of Class "A" Concrete in which case all sizes and dimensions shown shall obtain. Concrete masonry substitute work shall conform to the pertinent requirements of the Standard Specifications, Section 2405.

BID ITEMS

No. 2409-2 Mortar Rubble Masonry ..... Cu. Yds
No. 2512-1 Riprap ..... Cu. Yds

MORTAR RUBBLE MASONRY OR RIPRAP FOR CULVERT & CATTLE PASS ENDWALLS

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

5/16/57
DATE

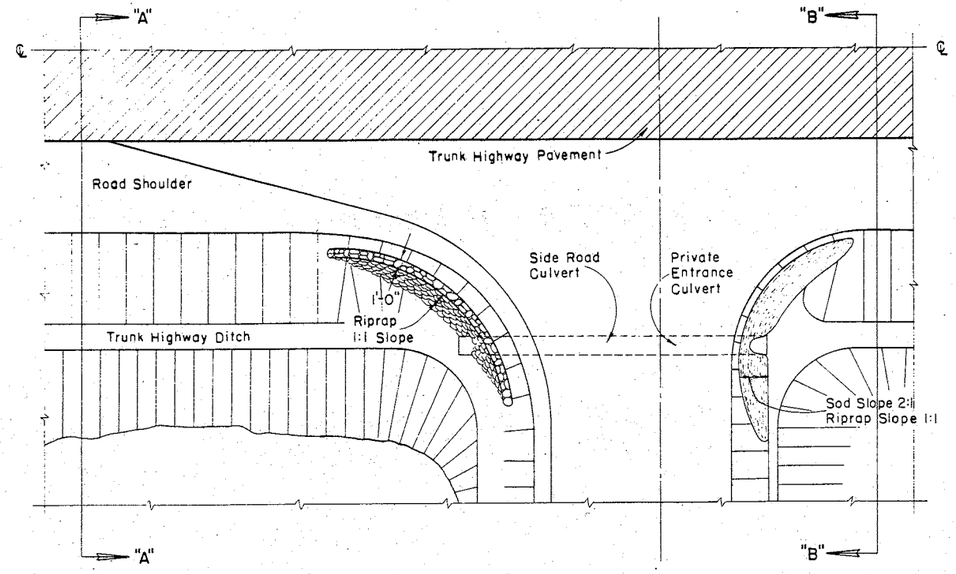
J. S. Pelt
ENGINEER OF DESIGN

APPROVED:

5/16/57
DATE

E. E. Rosenlieb
STATE HIGHWAY ENGINEER

PLATE NO. 6-2.4.2

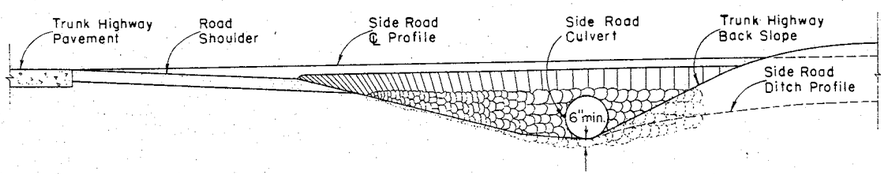


PLAN VIEW
HALF SECTION SHOWING
RIPRAP PLACED AT
SIDE ROAD CULVERT

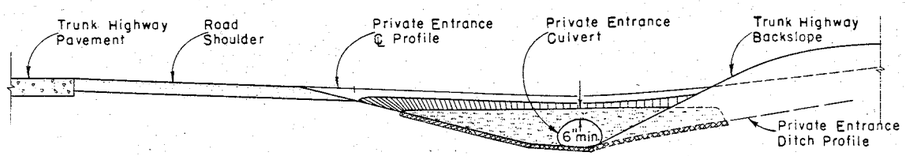
PLAN VIEW
HALF SECTION SHOWING
SOD OR RIPRAP PLACED AT
PRIVATE ENTRANCE CULVERT

TABLE OF QUANTITIES

SIDE ROAD CULVERTS		PRIVATE ENTRANCE CULVERTS		
Size of Culvert Pipe	Cu. Yds. Riprap One End	Size of Culvert Pipe	Cu. Yds. Riprap One End	Sq. Yds. Sod One End
—	—	18"	0.7	4
24"	1.0	24"	1.0	5
30"	1.3	30"	1.3	6
36"	2.0	36"	2.0	7
42"	2.7	42"	2.7	8
48"	3.6	48"	3.6	10



ELEVATION VIEW SECTION "A-A"
SHOWING RIPRAP PLACED AT SIDE ROAD CULVERT



ELEVATION VIEW SECTION "B-B"
SHOWING SOD OR RIPRAP PLACED AT PRIVATE ENTRANCE CULVERT

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Section 2512 for Riprap, and Section 2533 for Sadding, and the applicable Special Provisions.

BID ITEMS
No. 2512 - 1 Riprap _____ Cu. Yds.
No. 2533 - 1 Sadding _____ Sq. Yds.

RIPRAP AT SIDE ROAD CULVERTS & RIPRAP OR SOD AT PRIVATE ENTRANCE CULVERTS

STATE HIGHWAY COMMISSION OF WISCONSIN

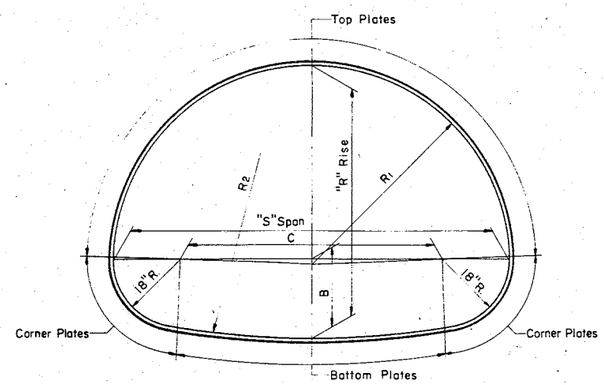
RECOMMENDED FOR APPROVAL:

4/5/55 — DATE — J. W. Pilf — ENGINEER OF DESIGN

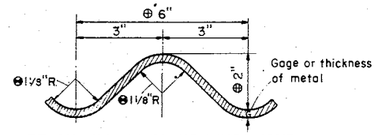
APPROVED:

4/5/55 — DATE — E. G. Rottiger — STATE HIGHWAY ENGINEER

PLATE NO. 6-2.5.1.



STRUCTURAL PLATE PIPE ARCH



DETAIL OF METAL CORRUGATIONS

CORRUGATION DIMENSION TOLERANCES

⊕-Tol. 1/4"
⊕-Tol. ± 1/8"
⊖-Min. 1 1/16"

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2412 and 3116 and the applicable Special Provisions.

TOLERANCES

Pipe Arch size dimensions are subject to manufacturing tolerances and the ratio of rise (R) to span (S) shall not exceed a tolerance of 5% plus or minus.

Metal corrugation dimension tolerances shall not exceed pertinent dimensions shown elsewhere on this drawing.

EMBANKMENT—Minimum for ℄ Culverts

For Flexible Type Pavement, the minimum depth of embankment or cover over top of Pipe Arch (finished construction) shall be "S"/10 or 1'-0" minimum.

For Rigid Type Pavement, the minimum depth of embankment over top of Pipe Arch shall be "S"/14 or a minimum of 6" cushion between pipe and pavement.

EMBANKMENT—Maximum for ℄ Culverts

The maximum depth of embankment shall be 15 feet (finished construction).

Adequate cover protection for Pipe Arches shall be provided at all times during construction operations to preclude any damage to structures.

Strutting of Pipe Arches will not be required during construction unless specifically called for on the plans or the applicable Special Provisions.

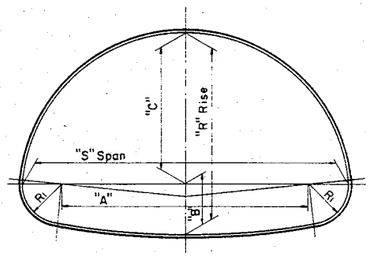
27-84

TABLE OF PROPERTIES
STRUCTURAL PLATE PIPE ARCH

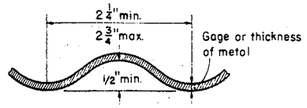
SPAN Nominal Size	Dimensions taken from inside crests of corrugations							Table of Metal Gages — Minimum Acceptable																	
	Fabricators Size Min. Acceptable	R/S Ratio	Area Sq.Ft.	B In.	C In.	R1 In.	R2 In.	H-20 LOADING Depth of Embankment in Feet																	
	"S" Span — "R" Rise							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
6 Feet	6'-1" x 4'-7"	.75	22	21.0	37.0	36.7	76.4	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
7 "	7'-0" x 5'-1"	.73	28	21.4	48.0	42.3	104.5	10	12	12	12	12	12	12	12	12	12	12	12	12	10	10
8 "	7'-11" x 5'-7"	.70	35	21.7	59.0	47.7	138.4	10	10	10	12	12	12	12	12	12	12	12	10	10	10	10
9 "	8'-10" x 6'-1"	.69	43	21.8	70.0	53.0	179.2	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8
10 "	9'-9" x 6'-7"	.67	52	21.9	81.0	58.3	228.0	8	8	10	10	10	10	10	10	10	10	10	8	8	8	7
11 "	10'-11" x 7'-1"	.65	61	25.1	95.0	65.8	180.8	8	8	8	10	10	10	10	10	10	8	8	8	7	7	5
12 "	11'-10" x 7'-7"	.64	71	25.2	106.0	71.1	217.0	7	8	8	8	8	8	8	8	8	8	8	7	5	5	3
13 "	12'-10" x 8'-4"	.65	85	24.0	118.0	77.2	315.2	5	7	8	8	8	8	8	8	8	7	7	5	5	3	1
14 "	13'-11" x 8'-7"	.62	93	28.9	131.0	84.4	220.8	5	5	7	7	8	8	8	7	7	5	5	3	3	1	1
15 "	14'-10" x 9'-1"	.61	105	28.9	142.0	89.5	254.9	3	5	5	7	7	7	7	5	3	3	1	1	–	–	
16 "	15'-10" x 9'-10"	.62	122	27.4	154.0	95.4	339.1	1	3	5	5	7	7	7	5	3	3	1	1	–	–	–
16.5 "	16'-7" x 10'-1"	.61	131	28.7	163.0	99.8	333.8	–	1	3	3	5	5	5	3	1	1	1	–	–	–	–

Note: For sizes of Structural Plate Pipe Arch between those shown in the table, the gage shall be interpolated (based on table data) where possible; otherwise the gage of the next larger size shown in the table shall be used.

STRUCTURAL PLATE PIPE ARCH



CORRUGATED METAL PIPE ARCH
(Riveted)



DETAIL OF METAL CORRUGATIONS

GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications, Sections 2411 and 3116 and the applicable Special Provisions.

TOLERANCES

Tolerance from the dimensions detailing size and shape will be permissable providing equivalent capacity and strength are attained.

EMBANKMENT—Minimum for ℄ Culverts

For Flexible Type Pavement, the minimum depth of embankment or cover over top of Pipe Arch (finished construction) shall be "S"/10 or 9" minimum.

For Rigid Type Pavement, the minimum depth of embankment over top of Pipe Arch shall be "S"/14 or a minimum of 3" cushion between pipe and pavement.

EMBANKMENT—Maximum for ℄ Culverts

The maximum depth of embankment shall be 10 feet (finished construction).

Adequate cover protection for Pipe Arches shall be provided at all times during construction operations to preclude any damage to structures.

TABLE OF DIMENSIONS
CORRUGATED METAL PIPE ARCH

CORRUGATED METAL PIPE ARCH									Round Pipe of Approx. Equal Periphery	
Gage (Min. Acceptable)	"S" Span Inches	"R" Rise Inches	"A" Inches	"B" Inches	"C" Inches	R1 Inches	R/S Ratio	Area Sq.Ft.	Area Sq.Ft.	Diam. Inches
16	18	11	10	4 1/2	6 1/2	3 1/2	.61	1.1	1.23	15
16	22	13	14	4 3/4	8 1/4	4	.59	1.6	1.77	18
16	25	16	17	5 1/4	10 3/4	4	.64	2.2	2.41	21
14	29	18	20	5 1/2	12 1/2	4 1/2	.62	2.8	3.14	24
14	36	22	26	6 1/4	15 3/4	5	.61	4.4	4.91	30
12	43	27	32	7	20	5 1/2	.63	6.4	7.07	36
12	50	31	38	8	23	6	.62	8.7	9.62	42
12	58	36	44	9 1/4	26 3/4	7	.62	11.4	12.57	48
12	65	40	49	10 1/2	29 1/2	8	.62	14.3	15.90	54
10	72	44	54	11 3/4	32 1/4	9	.61	17.6	19.64	60

NOTE: All Dimensions measured from inside crest of corrugations.

CORRUGATED METAL PIPE ARCH

STRUCTURAL PLATE PIPE ARCH
CORRUGATED METAL PIPE ARCH

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

5-27-57
DATE

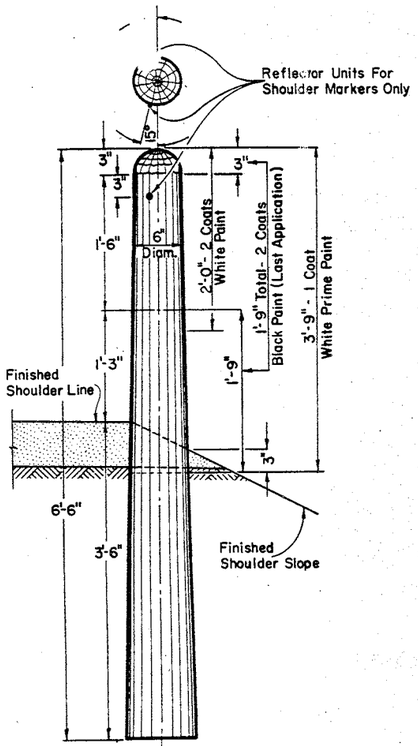
J. S. Pelt
ENGINEER OF DESIGN

APPROVED:

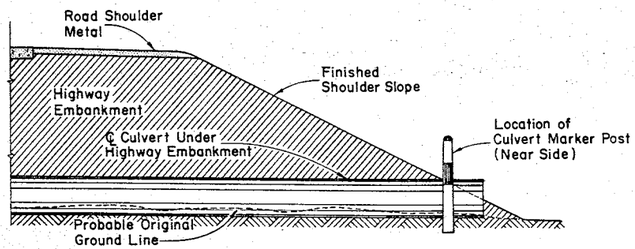
5/28/57
DATE

E. C. Rustigen
STATE HIGHWAY ENGINEER

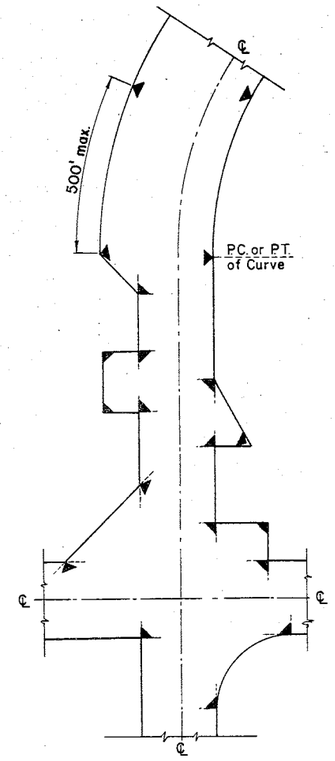
PLATE NO. 6-5.3.1



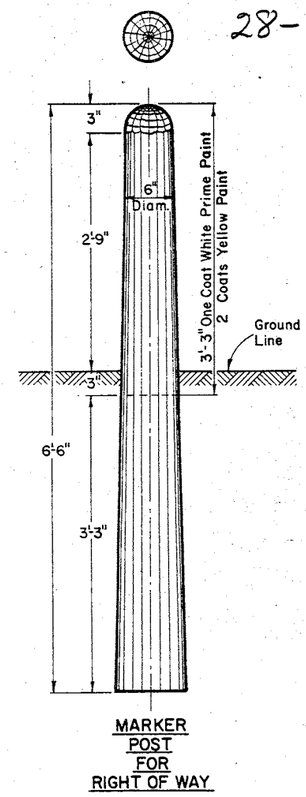
MARKER POST FOR
ROAD SHOULDERS AND CULVERTS



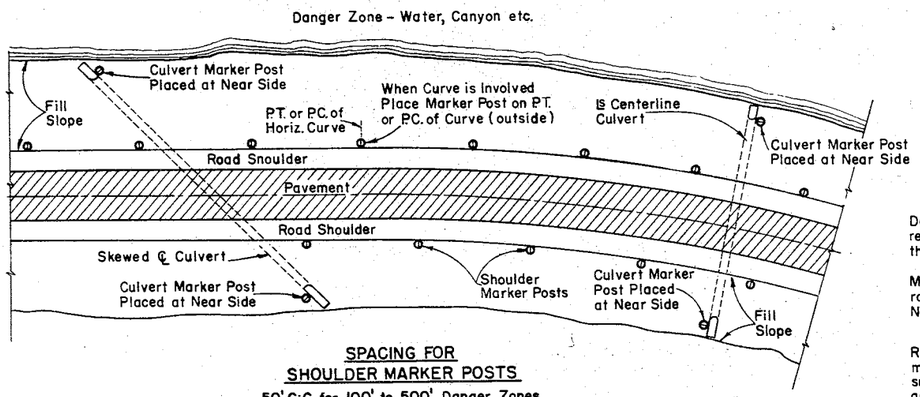
SECTION
SHOWING RELATIVE LOCATION OF
MARKER POST FOR CULVERTS



LOCATION DIAGRAM
SHOWING TYPICAL LOCATIONS OF
MARKER POSTS FOR RIGHT OF WAY



MARKER
POST
FOR
RIGHT OF WAY



SPACING FOR
SHOULDER MARKER POSTS
50' C:C for 100' to 500' Danger Zones
100 C:C for Over 500' Danger Zones

LOCATION DIAGRAM
SHOWING RELATIVE LOCATIONS OF SHOULDER MARKER POSTS
AND CULVERT MARKER POSTS

MARKER POSTS FOR ROAD SHOULDERS AND CULVERTS

MARKER POST FOR RIGHT OF WAY

GENERAL NOTES:

Details of Construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications Sections 2523, 4124 and 4125 and the applicable Special Provisions.

All posts for Road Shoulder Markers, Culvert Markers and Right of Way Markers are identical except for Painting and Reflector Units. All Posts shall be round and untreated and shall be either Northern White Cedar, Southern Yellow Pine, Norway Pine, White Pine or Jack Pine.

MARKER POSTS FOR RIGHT OF WAY

Right of Way Marker Posts shall be erected in advance of Grading Operations. Posts may be shaped and painted prior to erection. Any damaged areas occurring to paint surface during erection or other subsequent operations must be repainted prior to acceptance.

Posts shall be placed at the outer limits of the Highway Right of Way, but entirely within the Right of Way, and shall be so placed that the outer edge of the posts shall be tangent to the Right of Way line or lines extended. The exact location of all Right of Way Posts shall be staked in the field by the Engineer.

Reflector Units for Right of Way Marker Posts will not be required.

REFLECTOR UNITS

Reflector Units shall have plastic crystal lens 7/8" in diameter. Unit assembly shall be a minimum of 7/8" in length. Reflector Units shall be furnished with flared expanding metal clips for wood mounting. Units shall be mounted in tightest fit possible and securely stayed in posts. Reflector Units shall be installed in Road Shoulder Marker Posts only.

BID ITEMS

No. 2523-5 Marker Posts_____Each
No. 2523-6 Marker Posts for Right of Way_____Each

MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY

STATE HIGHWAY COMMISSION OF WISCONSIN

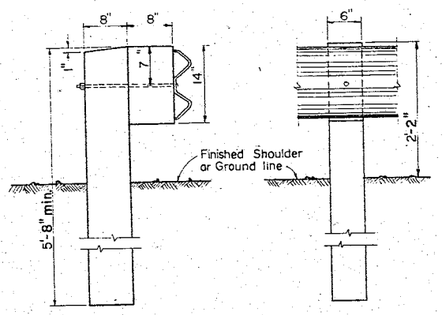
RECOMMENDED FOR APPROVAL

5/16/57 DATE — J.S. Reitz ENGINEER OF DESIGN

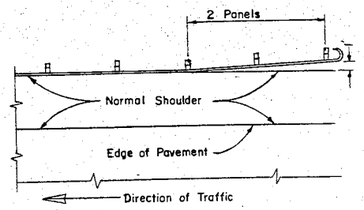
APPROVED:

5/16/57 DATE — E.L. Rettiger STATE HIGHWAY ENGINEER

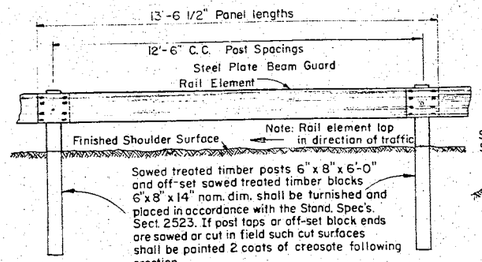
PLATE NO. 7-1.3.3.



DETAIL OF POST & OFF-SET BLOCK

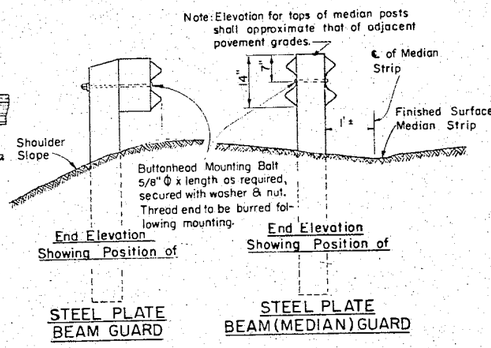


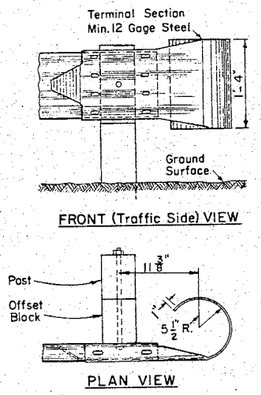
LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD INTERMEDIATE SECTIONS



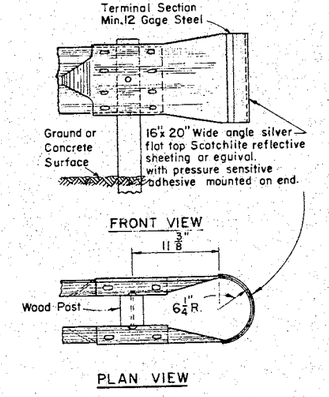
FRONT (Traffic Side) ELEVATION

STEEL PLATE BEAM GUARD OR STEEL PLATE BEAM (MEDIAN) GUARD





TERMINAL SECTION DETAILS FOR STEEL PLATE BEAM GUARD



TERMINAL SECTION DETAILS FOR STEEL PLATE BEAM (MEDIAN) GUARD

GENERAL NOTES

29-84

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

The Steel Plate Beam Guard or (Median) Guard shall consist of steel plate made of open hearth or electric furnace steel.

Plates shall be blanked to proper shape, fabricated and ready for assembly when received in the field. The plates shall be true to plan dimensions and of uniform section. Warped or deformed plates will be rejected. The edges of the plates shall be rolled or rounded so that they present no sharp edges. All connections and splices shall be formed with flat round headed bolts, or similar detail so that no appreciable projection will be presented on the road side of the guard. The rail element shall be spliced by lapping in the direction of traffic or by butt joint with splice plate. Plate ends in lap splices or plate ends and splice plate in butt splices shall make contact throughout the entire area of the splice.

TESTS

The elongation of a 2 inch specimen of the steel plate used in the rail element shall be not less than 12 percent tested in tension. The minimum tensile strength of the rail element shall, when tested in conjuntion with splices and end connections, be 80,000 lbs. The rail element when loaded as a simple beam, freely supported at each end on 12'-0" centers shall support a concentrated load at span center through a flat surface 3 inches long, in accord with the following –

BEAM ELEMENT

Traffic Face up		Traffic Face Down	
Load	Maximum Deflection	Load	Maximum Deflection
1500 lb.	2.0 in.	1200 lb.	2.0 in.
2000 lb.	3.0 in.	1600 lb.	3.0 in

GALVANIZED

The steel plate beam element and terminal sections shall be furnished galvanized. The spelter coating of the base metal sheets shall be in accordance with A.A.S.H.O. Designation: M 36.

The beam element may be galvanized before or after fabrication.

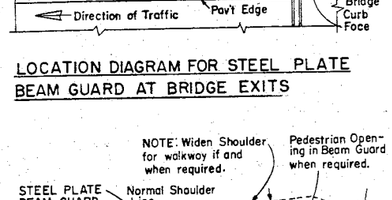
Bolts, nuts, and washers shall be furnished galvanized in accordance with A.S.T.M. Designation: A153, Class C.

CIRCULAR STEEL PLATE ELEMENT

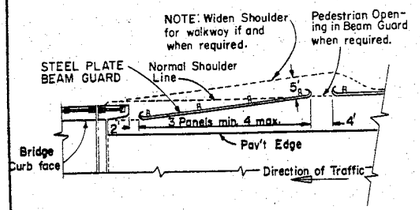
Steel plate beam elements for beam guard or (median) guard for radii of 20 ft. to 150 ft. shall be shop-curved. Steel plate beam elements shall be bent to true circular curvature, void of kinks. Kinks shall be cause for rejection. Steel plate beam elements shall have a minimum bending radius of 20 feet.

MEASUREMENT & PAYMENT

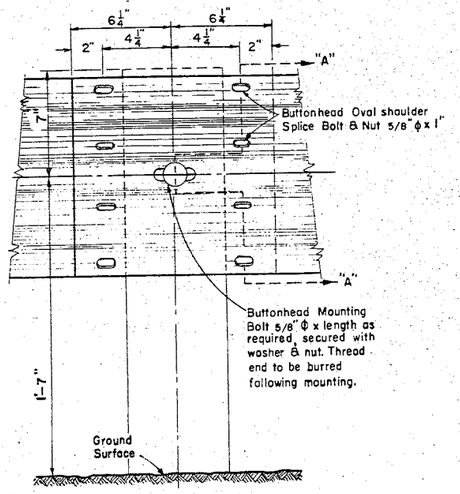
The items of Steel Plate Beam Guard and Steel Plate Beam (Median) Guard shall be measured and paid for at the contract unit price per lineor foot, measured in place by length in linear feet from end to end - out to out of terminal sections, which price shall be full compensation for furnishing and placing all materials and performing all work to completion in accordance with the Stand. Spec's. Sect. 2523, the applicable Plans and Special Provisions.



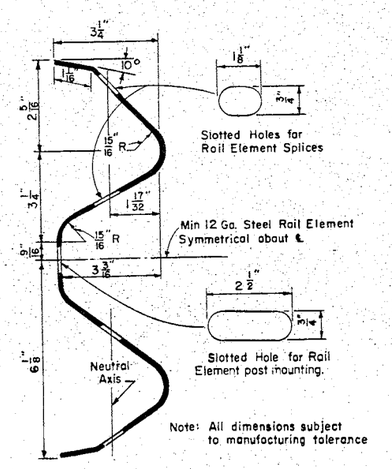
LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD AT BRIDGE EXITS



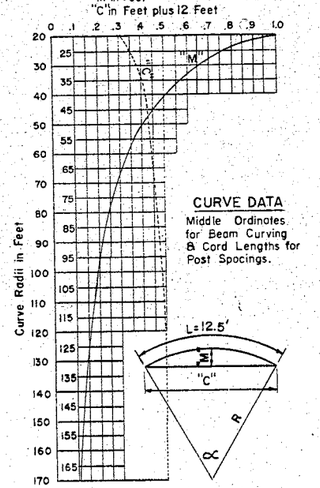
LOCATION DIAGRAM FOR STEEL PLATE BEAM GUARD AT BRIDGE APPROACHES



RAIL ELEMENT SPLICING & POST MOUNTING DETAILS



SECTION "AA" RAIL ELEMENT SECTION (Min 12 GAGE STEEL)



CURVE DATA

Middle Ordinates for Beam Curving & Cord Lengths for Post Spacings.

BID ITEMS

No. 2523-3 Steel Plate Beam Guard ..... Lin. Ft.
No. 2523-4 Steel Plate Beam(Median) Guard ..... Lin. Ft.

STEEL PLATE BEAM GUARD & STEEL PLATE BEAM (MEDIAN) GUARD

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

4/24/61 DATE — J. J. Pilz ENGINEER OF DESIGN

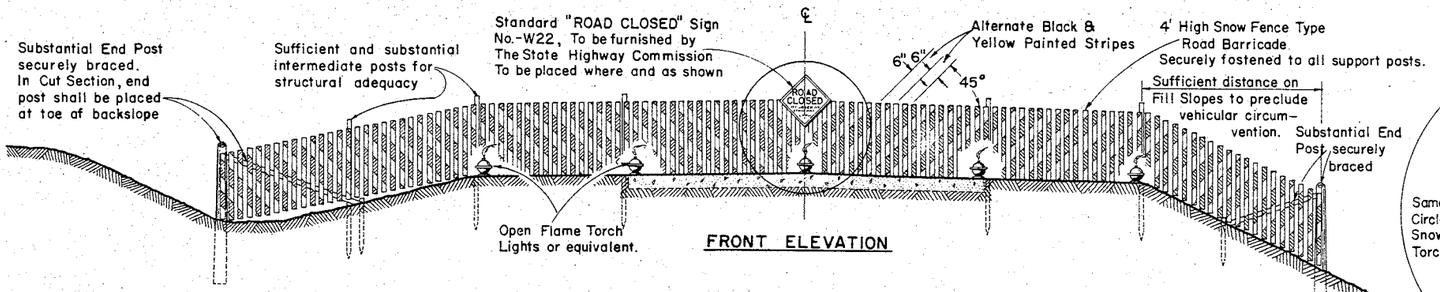
APPROVED:

4/24/61 DATE — E. C. Rosenow STATE HIGHWAY ENGINEER

7-2.4.8

PLATE NO. 7-2.4.8

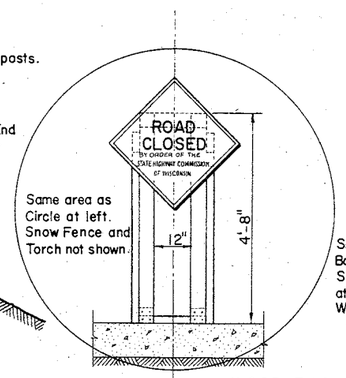
30-84

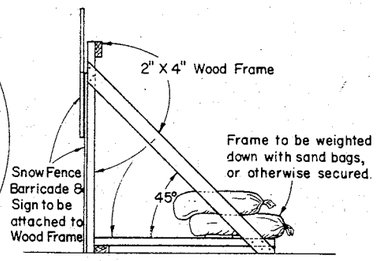


FRONT ELEVATION

STANDARD ROAD CONSTRUCTION BARRICADE

SNOW FENCE TYPE-"A"





SIDE ELEVATION

WOOD FRAME SUPPORT AT ℄
FOR SNOWFENCE TYPE BARRICADE
When Barricade is Erected on Rigid Type Surfacing

GENERAL NOTES

The Contractor shall construct, place and maintain barricades as shown on this drawing and as required by the Standard Specifications Section 1107 for the duration of the project. Barricades shall be painted and structurally maintained for maximum visibility at all times.

Pravision shall be made in the construction of barricades ta provide for ingress and egress for local access as may be required.

ALTERNATE DESIGNS

Contractors may submit to the Engineer for approval, designs for Barricades ather than shown on this drawing, and upon the Engineer's approval may be used as alternates.

MEASUREMENT & PAYMENT

All Barricades, unless otherwise provided for in the Plans and/or Special Pravisians shall be furnished, placed, and maintained as noted above, and no additional campensation will be allowed but shall be construed to be included in the price bid for ather items.

CONSTRUCTION BARRICADE

STATE HIGHWAY COMMISSION OF WISCONSIN

RECOMMENDED FOR APPROVAL:

6/2/55 DATE — J. S. Pelt ENGINEER OF DESIGN

APPROVED:

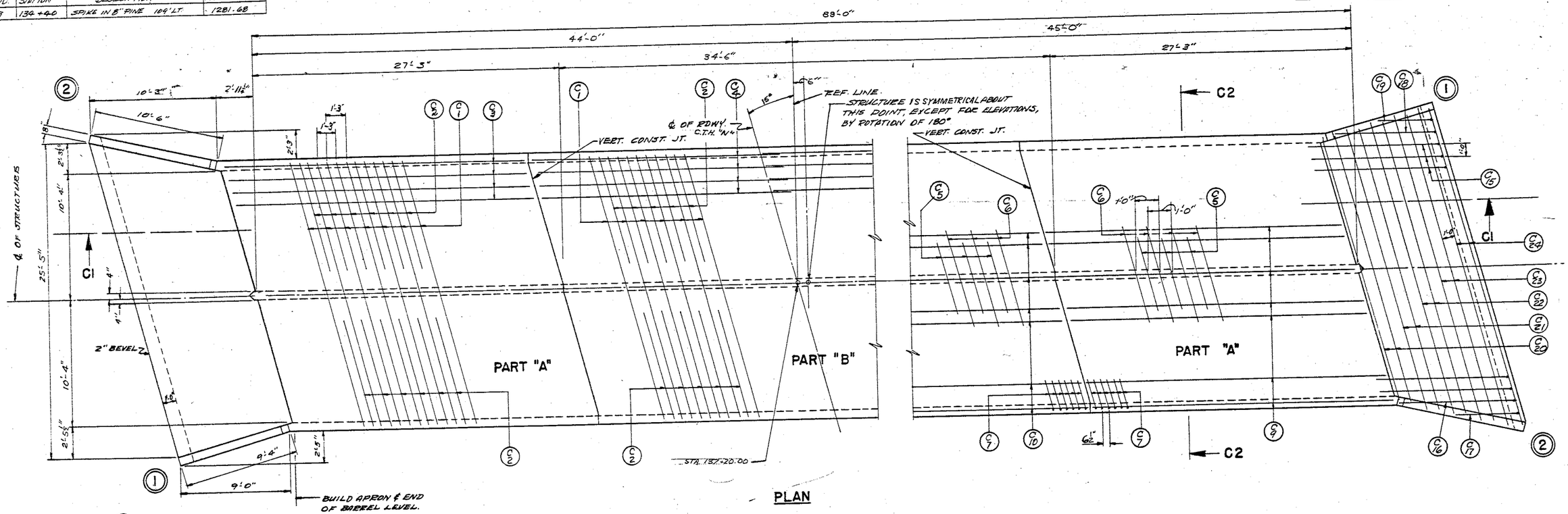
6/2/55 DATE — E. C. Rustigan STATE HIGHWAY ENGINEER

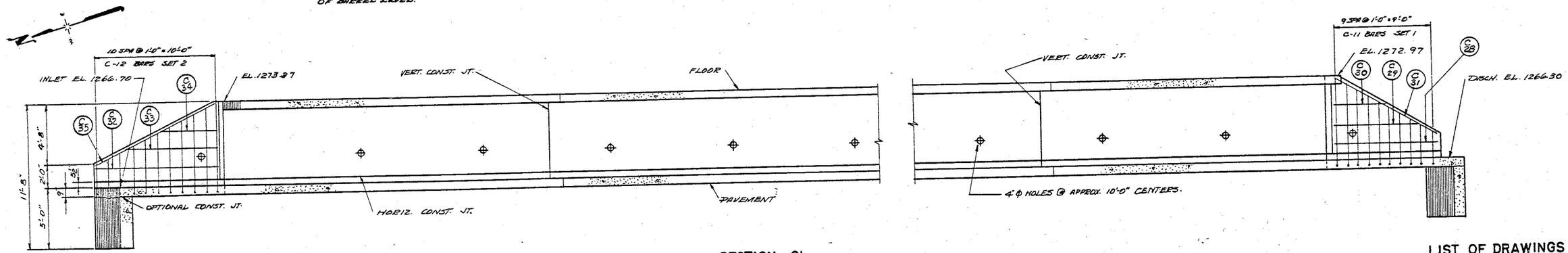
7-4.1.2

COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B. P. R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
37.6	12.0		11.6	4	5012(6)	31	84

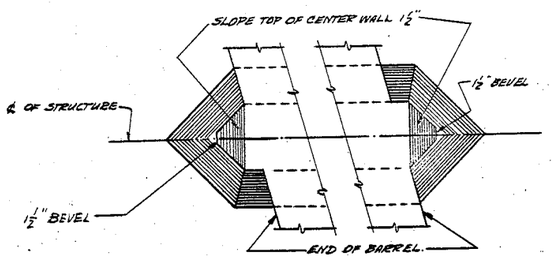
BENCH MARK

NO.	STATION	DESCRIPTION	ELEVATION
9	134+40	SPIKE IN 8" PINE 109' LT.	1281.68





SECTION CI



PART PLAN OF CENTER WALL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALL CONCRETE MASONRY SHALL BE GRADE "A-A" f'c = 1400 PSI.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.
UPPER LIMITS OF "EXCAVATION FOR STRUCTURES" SHALL BE THE FINISHED SECTION AT THE CHANNEL CHANGE.

TOTAL ESTIMATED QUANTITIES

BID ITEMS

EXCAVATION FOR STRUCTURES	135 C.Y.
CONCRETE MASONRY	169.8 C.Y.
BAR STEEL REINFORCEMENT	29,490 LB.

NON-BID ITEMS

MEMBRANE WATERPROOFING	40 S.F.
FILLER	½" SIZE

LIST OF DRAWINGS

1-DETAILS — X24935
2-DETAILS — X24936

DESIGNED FOR 16' OF FILL.

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS

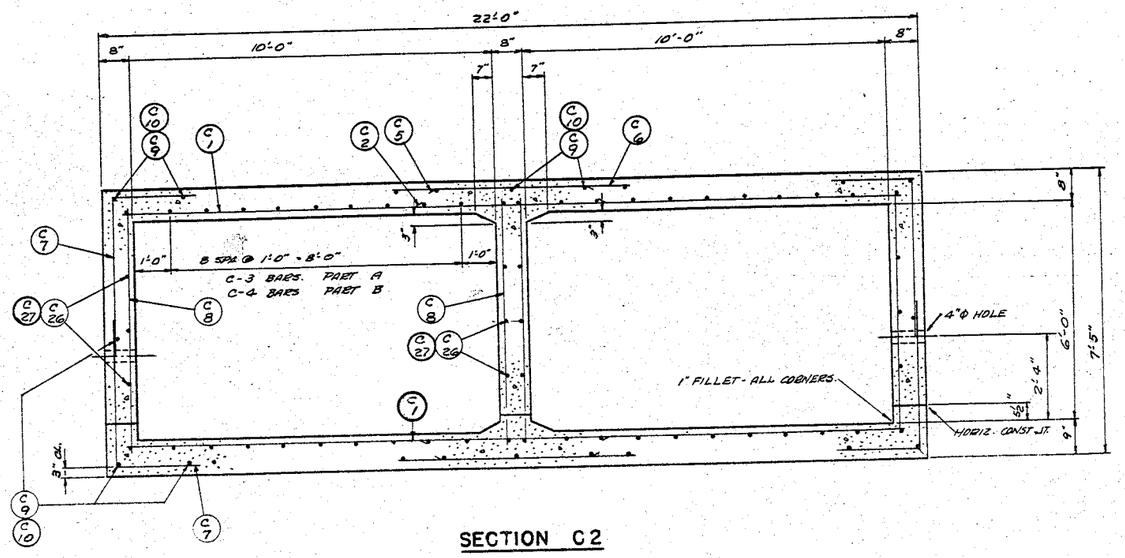
CO. MARATHON | SHOWN IN TWP. WAUSAU WESTON | STA 137+20.00
SECTION 33 4 | TOWN T 29 N T 29 N | RANGE 8 E 7 E
DESIGN SPEC. AASHO 1961 | LOADING H-20 | CONST. SPEC. 1957
DATE 3-28-62 | DESIGN J.R. | DRAWN L.L.J. | CKD. W.L.

SUBMITTED W. B. Schultz ENGINEER OF BRIDGES
APPROVED: E. C. Ruttum STATE HIGHWAY ENGINEER

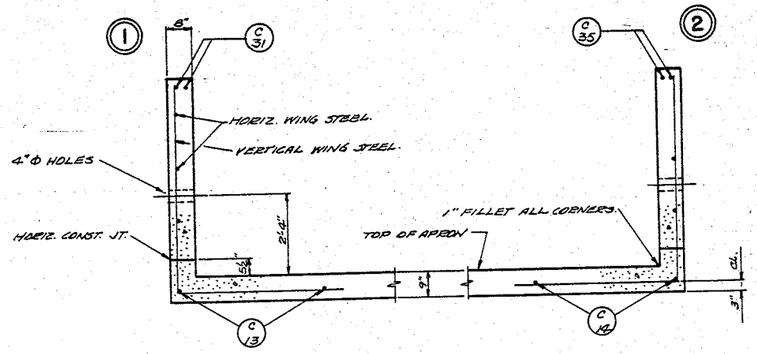
STRUCTURE B-37-80 | SHEET 1 OF 2

X24935

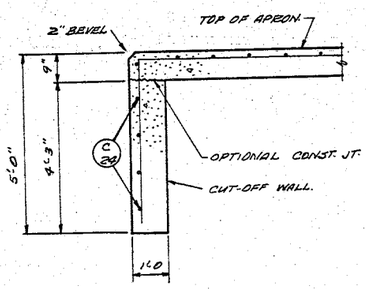
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	S012(6)	32	84



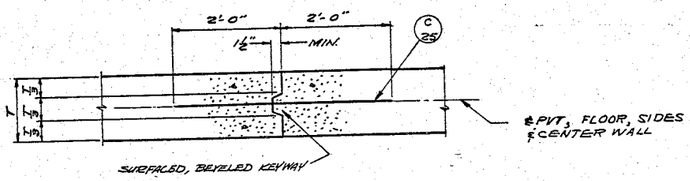
SECTION C2



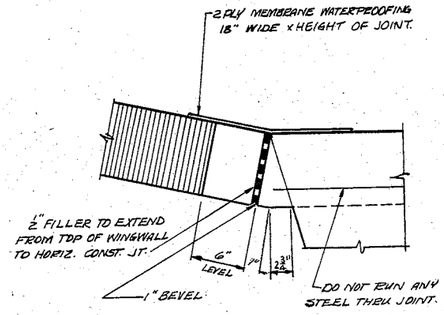
SECTION THRU WINGS



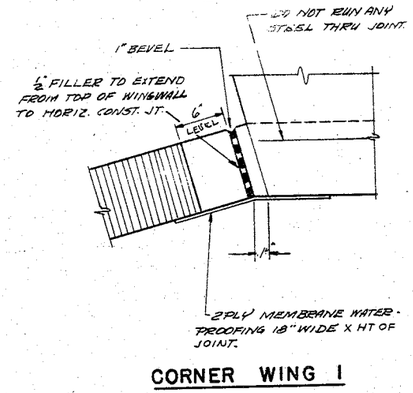
SECTION THRU CUT-OFF WALL



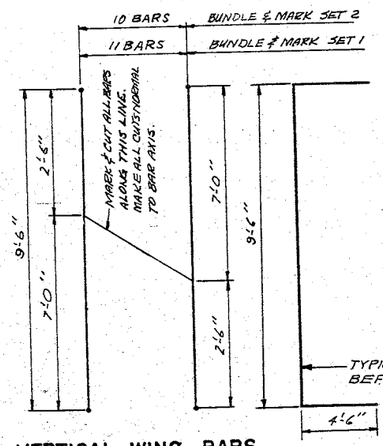
VERTICAL CONSTRUCTION JOINT



CORNER WING 2

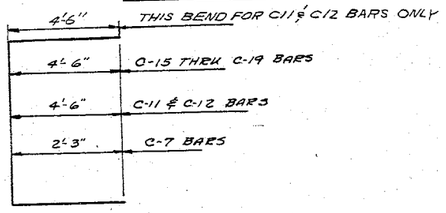


CORNER WING 1



VERTICAL WING BARS

CUTTING DIAGRAM



DETAIL A

BILL OF BARS 29,490#

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT

DOUR	MARK	NO	SIZE	LENGTH	SPACING	LOCATION	DEF
PAVEMENT & APRONS	C1	72	7	22-3	1-3	PAVEMENT PARTS A & B	
	C2	140	7	8-9	1-3	" " "	
	C3	44	4	26-9	1-0	" " A	
	C4	44	4	17-6	1-0	" " B	
	C5	89	7	5-6	1-0	" " A & B	
	C6	88	7	7-0	1-0	" " "	
	C7	328	6	6-3	6½	" & WALLS " "	A
	C8	184	4	6-9	2-0	" " " "	
	C9	18	4	26-9	SHOWN	" PART A	
	C10	18	4	17-6	"	" " B	
	C11	10	4	18-6	1-0	APRON & WINGS SET 1	A
	C12	11	4	18-6	1-0	" " " 2	A
	C13	4	4	9-8	SHOWN	"	
	C14	4	4	10-6	"	"	
	C15	42	4	15-6	1-0	"	A
	C16	2	4	14-0	1-0	"	A
	C17	2	4	9-6	1-0	"	A
	C18	2	4	12-6	1-0	"	A
	C19	2	4	8-9	1-0	"	
	C20	4	4	22-6	1-0	"	
	C21	4	4	23-6	1-0	"	
	C22	4	4	24-6	1-0	"	
	C23	4	4	25-6	1-0	"	
	C24	12	4	26-6	1-0	"	
	C25	44	5	4-0	1-0	VERT. CONST. JT.	
SIDES & FLOOR	C1	72	7	22-3	1-3	FLOOR PARTS A & B	
	C2	140	7	8-9	1-3	" " "	
	C3	44	4	26-9	1-0	" " A	
	C4	44	4	17-6	1-0	" " B	
	C5	89	7	5-6	1-0	" " A & B	
	C6	88	7	7-0	1-0	" " "	
	C7	328	6	6-3	6½	" & WALLS PART A & B	A
	C9	22	4	26-9	SHOWN	" " PART A	
	C10	22	4	17-6	"	" " " B	
	C26	24	4	26-9	1-6	WALLS PART A	
	C27	24	4	17-6	1-6	" " B	
	C28	2	4	9-0	1-6	WING WALL 1	
	C29	2	4	6-9	1-6	" " 1	
	C30	2	4	4-0	1-6	" " 1	
	C31	4	5	10-0	SHOWN	" " 1	
	C32	2	4	10-0	1-6	" " 2	
	C33	2	4	7-6	1-6	" " 2	
	C34	2	4	4-3	1-6	" " 2	
	C35	4	5	11-0	SHOWN	" " 2	
	C25	80	5	4-0	1-0	VERT. CONST. JT.	

REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN
	DETAILS
	DESIGN SPEC. AASHO 1961 LOADING H-20 CONST. SPEC. 1957
	DATE 3-28-62 DESIGN J.R. DRAWN L.L.V. CKD. W.L.
	STRUCTURE B-37-80 SHEET 2 OF 2

X 24936

S.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
4	5012(6)	33	84

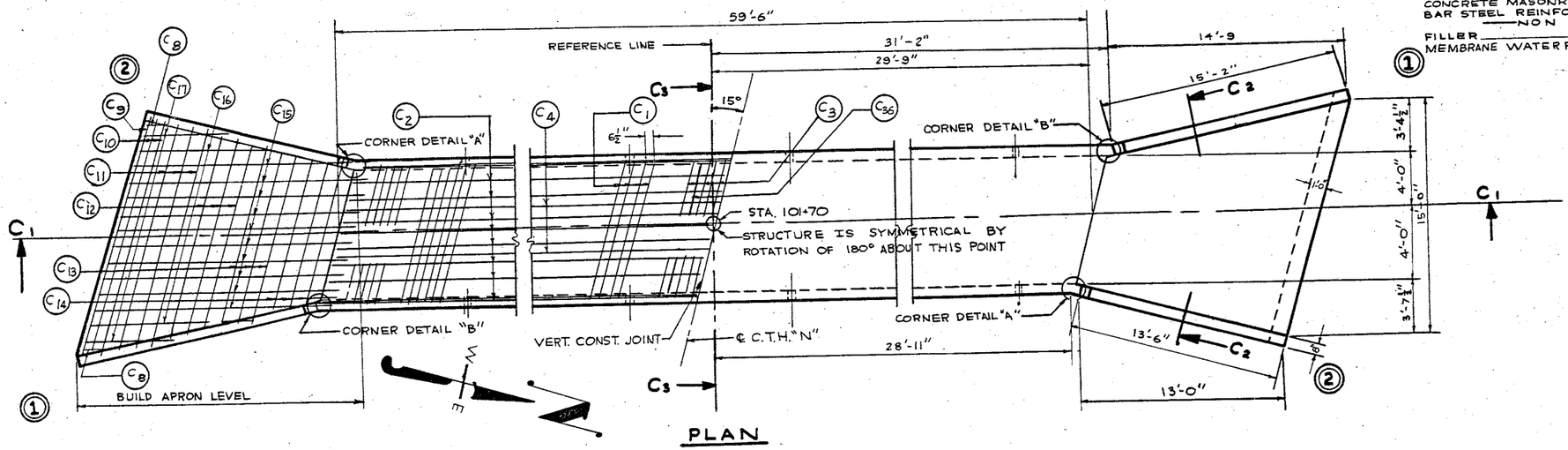
COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	FEDERAL
37.6	12.0		11.6

ESTIMATED QUANTITIES

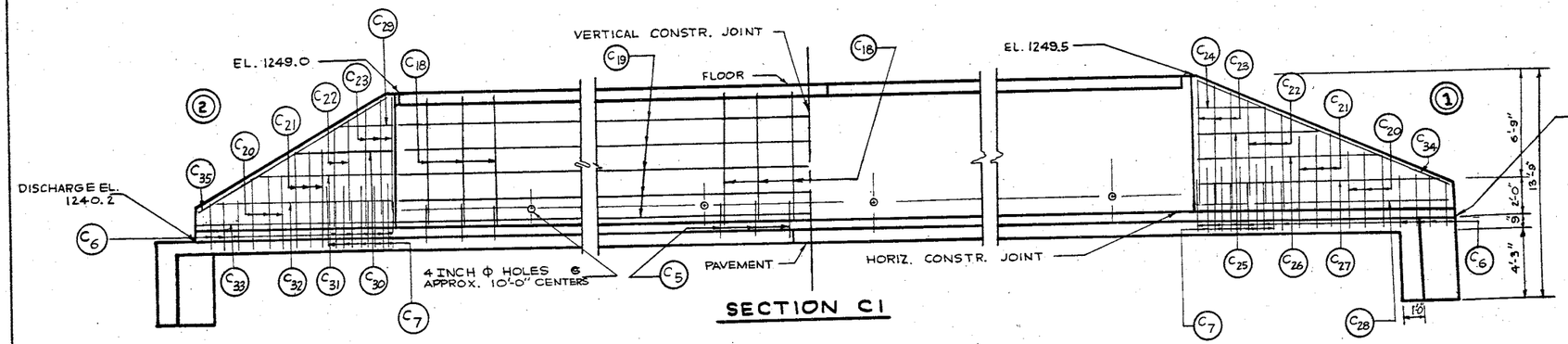
EXCAVATION FOR STRUCTURES	60 C.Y.
CONCRETE MASONRY	84.0 C.Y.
BAR STEEL REINFORCEMENT	7890 L.B.
NON BID ITEMS	
FILLER	½"
MEMBRANE WATER PROOFING	58 S.F.

BILL OF BARS 7,890#

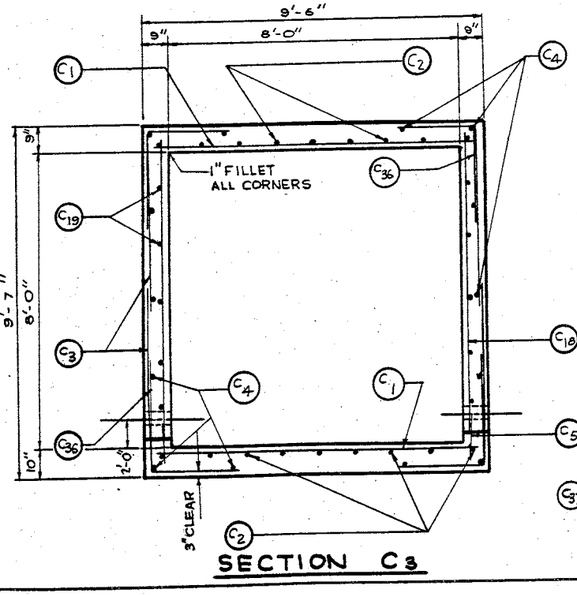
POUR	NO.	MARK	SIZE	LENGTH	SPACING	LOCATION	DET.
PAVEMENT & APRONS	110	C1	5	9'-6"	6½"	PAVEMENT	
	18	C2	4	29'-3"	1'-0"	"	
	120	C3	4	7'-3"	"	" & SIDES	A
	8	C4	4	29'-3"	SHOWN	"	
	62	C5	4	2'-0"	2'-0"	"	
	36	C6	4	6'-3"	1'-0"	APRON & WINGS	A
	20	C7	5	8'-0"	1'-0"	" "	A
	4	C8	4	6'-9"	SHOWN	"	A
	10	C9	4	16'-0"	1'-0"	CUT OFF WALL	
	4	C10	4	15'-9"	"	APRON	
	6	C11	4	14'-3"	"	"	
	6	C12	4	12'-9"	"	"	
	6	C13	4	11'-3"	"	"	
	6	C14	4	9'-9"	"	"	
	20	C15	4	20'-0"	"	"	A
	4	C16	4	14'-9"	"	"	A
	4	C17	4	9'-9"	"	"	A
	12	C20	4	7'-6"	1'-0"	WINGS	A
	12	C21	4	9'-0"	"	"	A
	120	C36	4	4'-9"	"	PAVEMENT & SIDES	
	4	C37	4	14'-9	SHOWN	APRON	
	4	C38	4	16'-9	"	"	
	10	C39	5	4'-0"	1'-0"	VERT. CONST. JOINT	
FLOOR SIDES & FLOOR	110	C1	5	9'-6"	6½"	FLOOR	
	18	C2	4	29'-3"	1'-0"	"	
	120	C3	4	7'-3"	"	" & SIDES	A
	20	C4	4	29'-3"	SHOWN	" & SIDES	
	62	C18	4	8'-0"	2'-0"	SIDES	
	20	C19	4	29'-3"	1'-6"	"	
	10	C22	4	6'-0"	1'-0"	WINGS	
	12	C23	4	7'-3"	1'-0"	"	
	2	C24	4	3'-9"	1'-6"	" 1	
	2	C25	4	7'-0"	"	" 1	
	2	C26	4	10'-3"	"	" 1	
	2	C27	4	13'-6"	"	" 1	
	2	C28	4	14'-9"	"	" 1	
	2	C29	4	3'-6"	"	" 2	
	2	C30	4	6'-3"	"	" 2	
	2	C31	4	9'-3"	"	" 2	
	2	C32	4	12'-3"	"	" 2	
	2	C33	4	13'-0"	"	" 2	
	120	C36	4	4'-9"	1'-0"	FLOOR & SIDES	A
	4	C34	5	15'-9"	SHOWN	WING 1	
	4	C35	5	14'-6"	"	WING 2	
	28	C39	5	4'-0"	1'-0"	VERT CONST. JOINT	



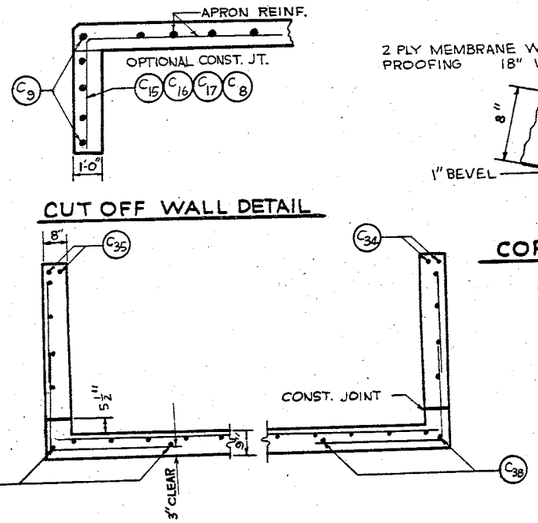
PLAN



SECTION C1

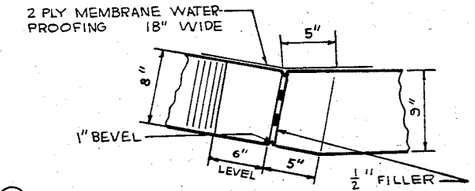


SECTION C3

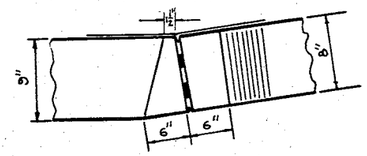


SECTION C2

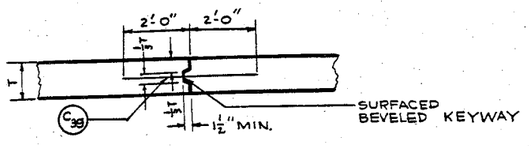
CUT OFF WALL DETAIL



CORNER DETAIL A



CORNER DETAIL B



VERTICAL CONSTRUCTION JOINT

2'-1"	C3, C36
3'-6"	C6, C7 C20, C21
4'-6"	C15, C16, C17 C8

DETAIL A

GENERAL NOTES

ALL CONCRETE MASONRY SHALL BE GRADE "AA" (f'c = 1400 PSI).
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.
ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED TO CHANNEL CHANGE ELEVATION.
DRAWINGS SHALL NOT BE SCALED.

DESIGNED FOR 5'-0" OF FILL.

REVISED

STATE HIGHWAY COMMISSION OF WISCONSIN

DETAILS

CO. MARATHON	CORP. OR TWS. WAUSAU WESTON	STA. 101+70	
SECTIONS 33 & 4	TOWN 29 N	RANGE 8 E	
DESIGN SPEC. AASHO '61	LOADING H20	CONST. SPEC. 1957	
DATE 4-9-62	DESIGN I.B.M.	DRAWN J.U.W.	CKD. F.O'M.

SUBMITTED W. B. Schultz ENGINEER OF BRIDGES

APPROVED C. Rostlyn STATE HIGHWAY ENGINEER

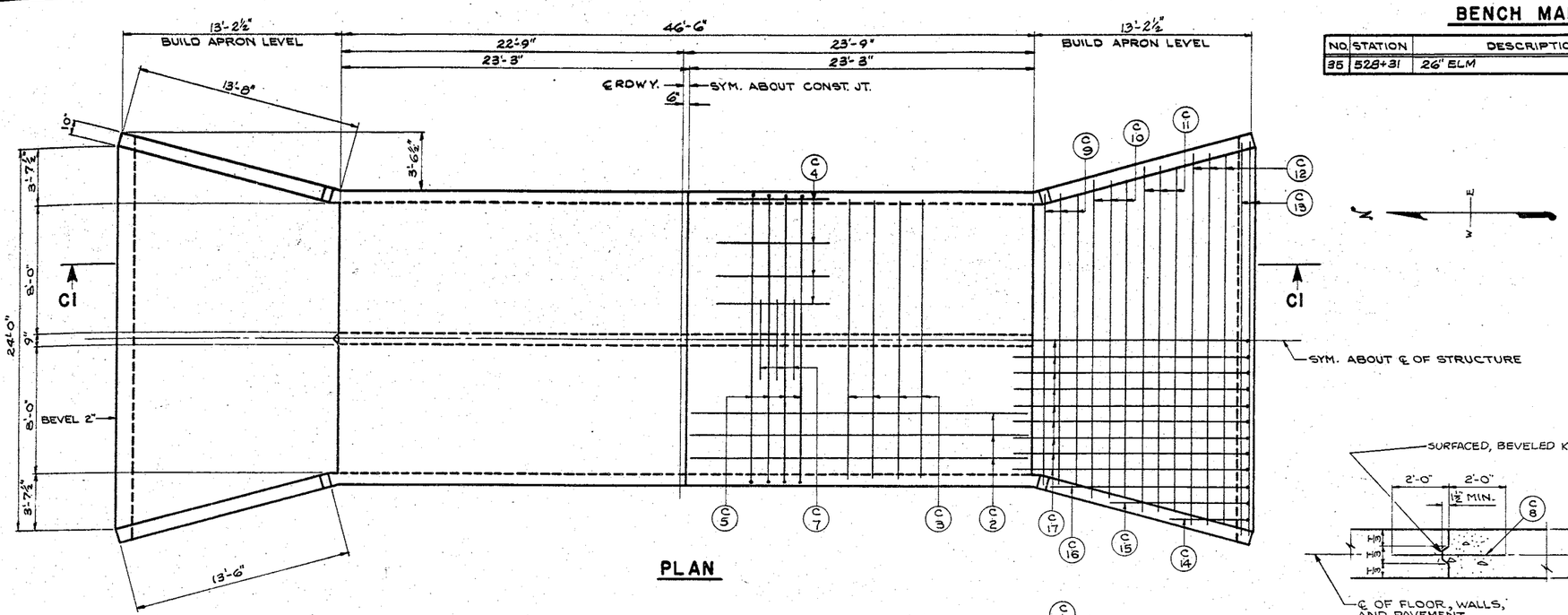
STRUCTURE C-37-30 SHEET 1 OF 1

X 25005

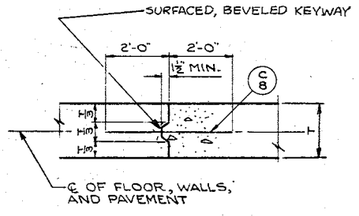
COUNTY & HIGHWAY	ROUTE & SECTION	CLASS & AGREEMENT STATE	CLASS & AGREEMENT FEDERAL	B.P.N. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
37.6	12.0		11.6	4	5012(6)	34	84

BENCH MARK

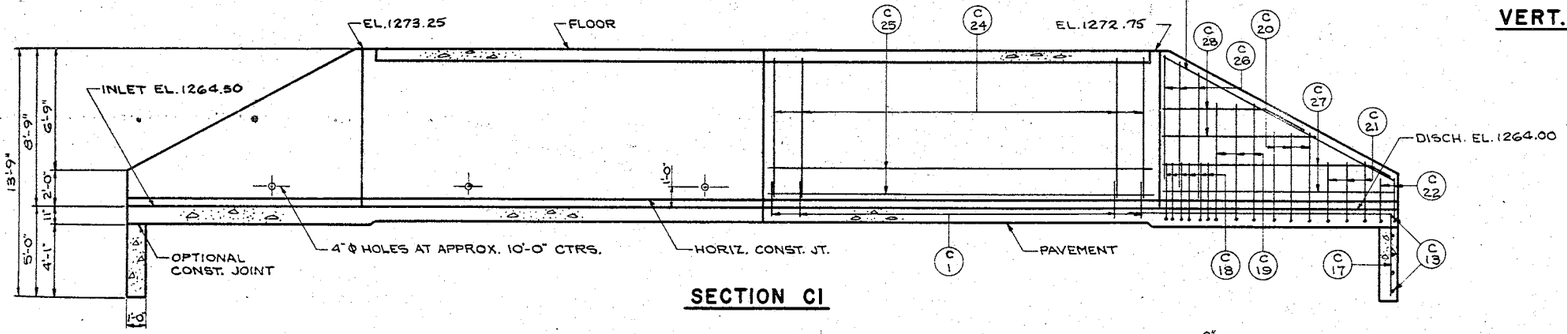
NO.	STATION	DESCRIPTION	ELEV.
35	528+31	26" ELM 75' LT.	1276.05



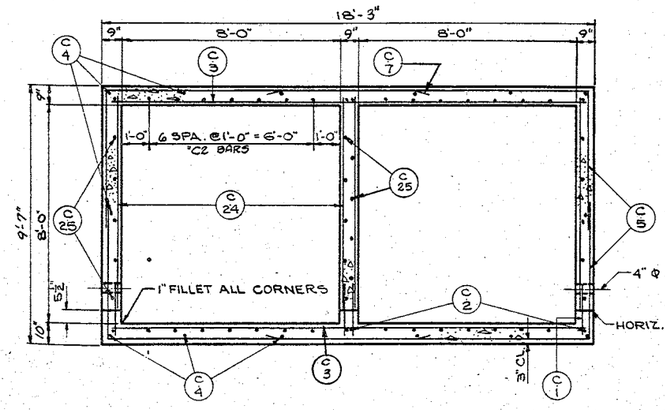
PLAN



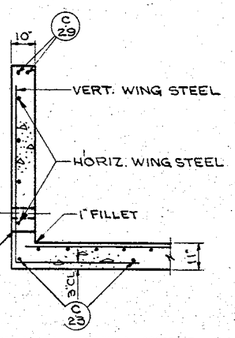
VERT. CONST. JOINT



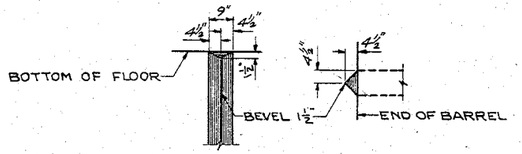
SECTION C1



SECTION THRU BARREL

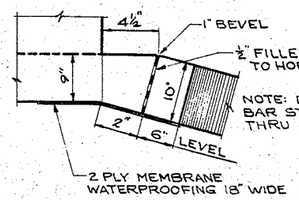


SECTION THRU WING



END DETAIL OF CENTER WALL

(INLET ONLY)



CORNER DETAIL

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALL CONCRETE MASONRY SHALL BE GRADE "AA".
BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SPECIFIED.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
THE USE OF STRUCTURAL GRADE BAR STEEL REINFORCEMENT IS PROHIBITED.

ESTIMATED QUANTITIES

BID ITEMS

EXCAVATION FOR STRUCTURES	190 C.Y.
CONCRETE MASONRY	118.4 C.Y.
BAR STEEL REINFORCEMENT	11,560 LB.

NON-BID ITEMS

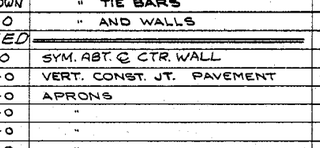
2 PLY MEMBRANE WATERPROOFING	57 S.F.
FILLER	½" SIZE

BILL OF BARS

11,560#

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT

POUR	MARK	NO.	SIZE	LENGTH	SPACING	LOCATION	DET.
PAVEMENT, APRONS, AND CUTOFF WALLS	C1	128	4	2-0	1-6	WALLS DOWELS	
	C2	96	4	22-9	1-0	PAVEMENT	
	C3	46	7	17-9	1-0	"	
	C4	12	4	22-9	SHOWN	" TIE BARS	
	C5	46	5	28-3	1-0	" AND WALLS	B
	C6			NOT USED			
	C7	44	5	5-6	1-0	SYM. ABT. ℄ CTR. WALL	
	C8	18	5	4-0	1-0	VERT. CONST. JT. PAVEMENT	
	C9	6	4	18-0	1-0	APRONS	
	C10	6	4	19-9	1-0	"	
	C11	6	4	21-3	1-0	"	
	C12	6	4	23-0	1-0	"	
	C13	12	4	23-6	1-0	" AND CUTOFF WALLS	
	C14	4	4	9-9	1-0	" " " "	A
	C15	4	4	13-6	1-0	" " " "	A
	C16	4	4	17-3	1-0	" " " "	A
	C17	34	4	19-0	1-0	" " " "	A
	C18	24	4	7-9	1-0	WINGS VERT.	A
	C19	12	4	11-3	1-0	" "	A
	C20	12	4	9-9	1-0	" "	A
	C21	12	4	8-0	1-0	" "	A
	C22	8	4	7-0	1-0	" "	A
	C23	8	4	13-6	SHOWN	" TIE BARS	
FLOOR, WALLS, AND WINGS	C2	36	4	22-9	1-0	FLOOR	
	C3	46	7	17-9	1-0	"	
	C4	16	4	22-9	SHOWN	" AND WALLS TIE BARS	
	C5	46	5	28-3	1-0	" " "	B
	C6			NOT USED			
	C7	44	5	5-6	1-0	SYM. ABT. ℄ CTR. WALL	
	C8	42	5	4-0	1-0	VERT. CONST. JT. FLOOR AND WALLS	
	C24	128	4	7-9	1-6	WALLS VERT.	
	C25	38	4	23-0	1-6	" HORIZ.	
	C26	12	4	6-9	1-0	WINGS VERT.	
	C27	8	4	13-0	1-6	" HORIZ.	
	C28	8	4	9-0	1-6	" "	
	C29	8	5	14-9	SHOWN	" TIE BARS TOP	



DETAIL A DETAIL B

REVISED	STATE HIGHWAY COMMISSION OF WISCONSIN
	DETAILS
	CO. MARATHON TWN. EASTON/RINGLE STA. 529+43.00
	SECTION 34/3 TOWN 29N/28N RANGE 9E/9E
	DESIGN, SPEC. A.A.S.H.O. '61 LOADING H20 CONST. SPEC. 1957
	DATE 3-13-62 DESIGN J.F.F. DRAWN M CKD. T.T.M.
	SUBMITTED J.V.B. Schultz ENGINEER OF BRIDGES
	APPROVED E.C. Ruettgers STATE HIGHWAY ENGINEER
	STRUCTURE C-37-32 SHEET 1 OF 1

X24869

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	S012(6)	35	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
		13	192	13	192								
		13	138	13	138	125 &							
	1 00		25	P.E. LT.									
	1 00		18										
	1 00	15		P.E. LT									
	1 00	15											
	1 00	34	334	62	551			7 12	103 60				
	1 00	34	240	62	396	334 &							
	2 00		10	P.E. RT.									
	2 00		7										
	2 00	15		P.E. RT.									
	2 00	15											
	2 00	119	219	196	780			11 00	76 96				
	2 00	119	158	196	561	365 &							
	3 00	227	132	423	912			53 14	41 19				
	3 00	227	95	423	656	233 &							
	4 00	176	215	599	1127			69 70	30 28				
	4 00	176	155	599	811	212 &							
	4 90	15		P.E. LT.									
	4 90	15											
	4 90	167	374	781	1501			35 93	98 99				
	4 90	167	269	781	1080	299 &							
	6 00	25		P.E. RT.									
	6 00	25											
	6 00	245	222	1051	1723			45 92	84 37				
	6 00	245	160	1051	1240	189 &							
	7 00		550	E.B.S.									
	7 00		396										
	7 00	550		E.B.S.									
	7 00	550											
	7 00	156	33	1757	2306			86 58	35 47				
6	7 00	156	24	1757	1660	BAL &							
	7 37	263	54	2020	2360								
5	7 37	263	39	2020	1699	321 -							
	8 00	85		P.E. RT.									
4	8 00	85											
	8 00	597	43	2702	2403			139 73	11 54				
3	8 00	597	31	2702	1730	972 -							
	9 00	40		P.E. RT.									
2	9 00	40											
	9 00	656	50	3398	2453			182 56	11 73				
	9 00	656	36	3398	1766	1632 -							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	10 00	559	47	3957	2500			171 95	15 32				
	10 00	559	34	3957	1800	2157 -							
	11 00	377	46	4334	2546			130 15	9 89				
	11 00	377	33	4334	1833	2501 -							
	12 00	153	98	4487	2644			73 21	15 11				
	12 00	153	71	4487	1904	2583 -							
	13 00	23	188	4510	2832			9 32	37 62				
	13 00	23	135	4510	2039	2471 -							
	14 00	7	338	4517	3170			3 06	64 11				
	14 00	7	243	4517	2282	2235 -							
	15 00	2	597	4519	3767			82	118 30				
	15 00	2	430	4519	2712	1807 -							
	16 00		98	S.R.									
	16 00		71										
	16 00	55		S.R.									
	16 00	55											
	16 00		798	4574	4663				203 98				
	16 00		575	4574	3358	1216 -							
	17 00		801	4574	5464				226 79				
	17 00		577	4574	3935	639 -							
	18 00		592	4574	6056				205 57				
	18 00		426	4574	4361	213 -							
	19 00		296	4574	6352				114 02				
	19 00		213	4574	4574	BAL &							
	19 71		119	4574	6471								
	19 71		86	4574	4660	86 &							
	20 00	56	301	4630	6772				110 24				
	20 00	56	217	4630	4877	247 &							
	21 00	149	194	4779	6966			30 25	52 11				
	21 00	149	140	4779	5017	238 &							
	22 00	162	231	4941	7197			50 18	52 59				
6	22 00	162	166	4941	5183	242 &							
	23 00	60		P.E. RT.									
5	23 00	60											
	23 00	103	286	5104	7483			37 18	71 98				
4	23 00	103	206	5104	5389	285 &							
	24 00		15	P.E. LT.									
3	24 00		11										
	24 00	25		P.E. RT.									
2	24 00	25											
	24 00	82	246	5211	7744			18 57	82 44				
	24 00	82	177	5211	5577	366 &							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	25 00	20		P.E. RT.									
	25 00	20											
	25 00	111	150	5342	7894			25 65	50 45				
	25 00	111	108	5342	5685	343 &							
	26 00	87	151	5429	8045			34 14	30 76				
	26 00	87	109	5429	5794	365 &							
	27 00	35		P.E. RT.									
	27 00	35											
	27 00	29	236	5493	8281			12 85	50 91				
	27 00	29	170	5493	5964	471 &							
	28 00	31	248	5524	8529			3 02	76 34				
	28 00	31	179	5524	6143	619 &							
	29 00	116	196	5640	8725			13 82	57 47				
	29 00	116	141	5640	6284	644 &							
	30 00	325	146	5965	8871			48 96	48 21				
	30 00	325	105	5965	6389	424 &							
	31 00	466	57	6431	8928			126 36	30 58				
	31 00	466	42	6431	6431	BAL &							
	31 84	89	11	6520	8939								
	31 84	89	7	6520	6438	82 -							
	32 00	1219		S.R.									
	32 00	1219											
	32 00	479	24	8218	8963			173 39	6 24				
	32 00	479	17	8218	6455	1763 -							
	33 00	15		P.E. RT.									
	33 00	15											
	33 00	158	229	8391	9192			85 36	6 86				
	33 00	158	165	8391	6620	1771 -							
	34 00		638	8391	9830				116 77				
	34 00		459	8391	7079	1312 -							
	35 00		90	P.E. LT.									
6	35 00		65	P.E. RT.									
	35 00		807	8391	10727				227 61				
5	35 00		581	8391	7725	666 -							
	36 00		692	8391	11419				207 97				
4	36 00		498	8391	8223	168 -							
	37 00	3	236	8394	11655				165 71				
3	37 00	3	171	8394	8394	BAL &							
	37 51	1	230	8395	11885								
2	37 51	1	165	8395	8559	164 &							
	38 00		5	P.E. LT.									
	38 00		4										

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	36	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	38 00	20		P.E. RT.									
	38 00	20											
	38 00	124	206	8539	12096			2 14	85 89				
	38 00	124	148	8539	8711	172 ℄							
	39 00		30	E.B.S.									
	39 00		22										
	39 00	30		E.B.S.									
	39 00	30											
	39 00	187	26	8756	12152			65 05	25 22				
	39 00	187	19	8756	8752	BAL ℄							
	39 47	207	28	8963	12180								
	39 47	207	20	8963	8772	191 –							
	40 00	673	12	9636	12192			147 85	3 69				
	40 00	673	9	9636	8781	855 –							
	41 00	365	7	10001	12199			215 83	3 04				
	41 00	365	5	10001	8786	1215 –							
	41 50	507	30	10508	12229			178 23	4 38				
	41 50	507	22	10508	8808	1700 –							
	42 50		62	S.R.									
	42 50		45										
	42 50	961		S.R.									
	42 50	961											
	42 50	110	40	11579	12331			95 73	11 93				
	42 50	110	29	11579	8882	2697 –							
	43 00		10										
	43 00		7										
	43 00	80		P.E. RT.									
	43 00	80		P.E. LT.									
	43 00	54	217	11713	12558			22 59	31 57				
	43 00	54	156	11713	9045	2668 –							
	44 00	21	366	11734	12924			6 80	85 44				
	44 00	21	264	11734	9309	2425 –							
	45 00	8	508	11742	13432			4 32	112 30				
	45 00	8	366	11742	9675	2067 –							
	46 00		759	11742	14191				161 77				
	46 00		546	11742	10221	1521 –							
	47 00		10	P.E. RT.									
	47 00		7										
	47 00		926	11742	15127				247 86				
	47 00		667	11742	10895	847 –							
	48 00		800	11742	15927				252 25				
	48 00		576	11742	11471	271 –							

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STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	49 00		5	P.E. RT.									
	49 00		4										
	49 00	8	383	11750	16315				179 92				
	49 00	8	276	11750	11751	BAL ℄							
	49 88	1	53	11751	16368								
	49 88	1	38	11751	11789	38 ℄							
	50 00	5		P.E. RT.									
	50 00	5											
	50 00	91	141	11847	16509			4 84	55 42				
	50 00	91	102	11847	11891	44 ℄							
	51 00	53	12	11900	16521			44 48	20 93				
	51 00	53	9	11900	11900	BAL ℄							
	51 24	166	35	12066	16556								
	51 24	166	25	12066	11925	141 –							
	52 00	135		P.E. RT.									
	52 00	135											
	52 00	240	19	12441	16575			73 52	4 60				
	52 00	240	14	12441	11939	502 –							
	53 00	149	77	12590	16652			55 87	5 41				
	53 00	149	55	12590	11994	596 –							
	54 00	150		P.E. RT.									
	54 00	150											
	54 00	153	90	12893	16742			24 43	36 03				
	54 00	153	65	12893	12059	834 –							
	55 18		30	E.B.S.									
	55 18		22										
	55 18	70		E.B.S. & P.E. RT.									
	55 18	70											
	55 18	161	14	13124	16786			45 44	5 16				
	55 18	161	10	13124	12091	1033 –							
	56 00	203	18	13327	16804			60 68	4 21				
	56 00	203	13	13327	12104	1223 –							
	57 00	20		P.E. LT.									
	57 00	20											
	57 00	193	27	13540	16831			48 84	5 60				
	57 00	193	19	13540	12123	1417 –							
	58 00	202	44	13742	16875			55 59	9 04				
	58 00	202	32	13742	12155	1587 –							
	59 00	214	46	13956	16921			53 65	14 69				
	59 00	214	33	13956	12188	1768 –							
	60 00		30										
	60 00		22	E.B.S.									

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	60 00	30		E.B.S.									
	60 00	30											
	60 00	207	40	14193	16991			62 00	10 41				
	60 00	207	29	14193	12239	1954 –							
	61 00	35		P.E. RT.									
	61 00	35											
	61 00	132	49	14360	17040			49 81	11 44				
	61 00	132	35	14360	12274	2086 –							
	62 00	41	200	14401	17240			21 64	14 98				
	62 00	41	144	14401	12418	1983 –							
	63 00	1	590	14402	17830			62	92 80				
	63 00	1	425	14402	12843	1559 –							
	64 00		878	14402	18708				225 57				
	64 00		632	14402	13475	927 –							
	65 00		846	14402	19554				248 76				
	65 00		609	14402	14084	318 –							
	66 00		443	14402	19997				208 17				
	66 00		318	14402	14402	BAL ℄							
	66 61		277	14402	20274								
	66 61		200	14402	14602	200 ℄							
	67 00		573	14402	20847				180 82				
	67 00		413	14402	15015	613 ℄							
	68 00		30	S.R.									
	68 00		22										
	68 00	25		S.R.									
	68 00	25											
	68 00		439	14427	21316				128 49				
	68 00		316	14427	15353	926 ℄							
	69 00		441	14427	21757			19	108 82				
	69 00		318	14427	15671	1244 ℄							
	70 00		531	14427	22288				129 28				
	70 00		382	14427	16053	1626 ℄							
	71 00		599	14427	22887				157 64				
	71 00		431	14427	16484	2057 ℄							
	72 00		10	P.E. LT.									
	72 00		7										
	72 00	15		P.E. LT.									
	72 00	15											
	72 00	11	439	14453	23336				165 85				
	72 00	11	316	14453	16807	2354 ℄							
	73 00	155	212	14608	23548			5 79	71 24				
	73 00	155	153	14608	16960	2352 ℄							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	S012(6)	37	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	74 00	462	92	15070	23640			77 69	43 26				
	74 00	462	66	15070	17026	1956 6							
	75 00	765	27	15835	23667			171 53	6 24				
	75 00	765	19	15835	17045	1210 6							
	76 00	734	21	16569	23688			241 78	8 49				
	76 00	734	15	16569	17060	491 6							
	77 00	308	114	16877	23802			154 34	3 05				
	77 00	308	82	16877	17142	265 6							
	78 00	22	306	16899	24108			11 99	58 73				
	78 00	22	220	16899	17362	463 6							
	79 00	9	326	16908	24434				106 27				
	79 00	9	235	16908	17597	689 6							
	80 00	31	238	16939	24672			4 89	69 71				
	80 00	31	171	16939	17768	829 6							
	81 00	132	161	17071	24833			11 91	58 68				
	81 00	132	116	17071	17884	813 6							
	82 00	229	83	17300	24916			59 27	28 13				
	82 00	229	60	17300	17944	644 6							
	83 00	174	75	17474	24991			64 62	16 73				
	83 00	174	54	17474	17998	524 6							
	84 00		5	P.E. RT.									
	84 00		4										
	84 00	75		P.E. LT.									
	84 00	75		P.E. RT.									
	84 00	89	95	17638	25091			29 54	24 01				
	84 00	89	68	17638	18070	432 6							
	85 00		60										
	85 00		43	E.B.S.									
	85 00	60											
	85 00	60		E.B.S.									
	85 00	68	105	17766	25256			18 45	27 19				
6	85 00	68	76	17766	18189	423 6							
	86 00	53	149	17819	25405			18 14	29 63				
5	86 00	53	107	17819	18296	477 6							
	87 00	56	147	17875	25552			10 75	51 09				
4	87 00	56	106	17875	18402	527 6							
	88 00	94	102	17969	25654			19 30	28 35				
3	88 00	94	73	17969	18475	506 6							
	89 00	106	138	18075	25792			31 68	26 60				
2	89 00	106	99	18075	18574	499 6							
	90 00	64	210	18139	26002			25 46	48 08				
	90 00	64	151	18139	18725	586 6							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	91 00	19	381	18158	26383			9 04	65 23				
	91 00	19	274	18158	18999	841 6							
	92 00	3	676	18161	27059			1 42	140 36				
	92 00	3	487	18161	19486	1325 6							
	93 00		859	18161	27918				224 78				
	93 00		618	18161	20104	1943 6							
	94 00		13	Surface									
	94 00		9	stone									
	94 00		925	18161	28856				239 33				
	94 00		666	18161	20779	2618 6							
	95 06		143	S.R.									
	95 06		103	P.E. RT.									
	95 06		688	18161	29687				231 80				
	95 06		495	18161	21377	3216 6							
	96 00	69	414	18230	30101				163 68				
	96 00	69	298	18230	21675	3445 6							
	97 00	299	170	18529	30271			37 15	60 01				
	97 00	299	122	18529	21797	3268 6							
	98 00	692	67	19221	30338			124 28	32 03				
	98 00	692	48	19221	21845	2624 6							
	99 00	140		P.E. RT.									
	99 00	140											
	99 00	1061	8	20422	30346			249 58	4 19				
	99 00	1061	6	20422	21851	1429 6							
	100 00	1193		21615	30346			323 37					
	100 00	1193		21615	21851	236 6							
	101 00	237	1	21852	30347			320 79					
	101 00	237	1	21852	21852	BAL 6							
	101 19	907		22759	30347								
	101 19	907		22759	21852	907 -							
	101 90	277	3	23036	30350			365 84	35				
6	101 90	277	2	23036	21854	1182 -							
	102 13	731	30	23767	30380			283 71	6 89				
5	102 13	731	22	23767	21876	1891 -							
	103 00	515	43	24282	30423			170 31	11 87				
4	103 00	515	31	24282	21907	2375 -							
	104 00	314	47	24596	30470			107 89	11 59				
3	104 00	314	34	24596	21941	2655 -							
	105 00	25		P.E. LT.									
2	105 00	25											
	105 00	128	123	24749	30593			61 58	13 92				
	105 00	128	89	24749	22030	2719 -							

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STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	106 00	55		P.E. RT.									
	106 00	55											
	106 00	14	395	24818	30988			7 59	52 36				
	106 00	14	284	24818	22314	2504 -							
	107 00	50		P.E. RT.									
	107 00	50											
	107 00		792	24868	31780			4	161 04				
	107 00		570	24868	22884	1984 -							
	108 00		15	P.E. RT									
	108 00		11										
	108 00	15		P.E. RT.									
	108 00	15											
	108 00		911	24883	32706				266 89				
	108 00		656	24883	23551	1332 -							
	109 00		742	24883	33448				224 90				
	109 00		534	24883	24085	798 -							
	109 95	15		P.E. RT.									
	109 95	15											
	109 95	6	586	24904	34034				196 87				
	109 95	6	422	24904	24507	397 -							
	111 00	113	225	25017	34259			3 04	104 30				
	111 00	113	162	25017	24669	348 -							
	112 00	409	55	25426	34314			57 74	17 36				
	112 00	409	40	25426	24709	717 -							
	113 00	694	29	26120	34343			163 27	12 42				
	113 00	694	21	26120	24730	1390 -							
	114 00	60		P.E. LT.									
	114 00	60											
	114 00	785	11	26965	34354			211 60	3 05				
	114 00	785	8	26965	24738	2227 -							
	115 00	659	39	27624	34393			212 07	2 85				
6	115 00	659	28	27624	24766	2858 -							
	116 00	340	169	27964	34562			143 56	18 11				
5	116 00	340	122	27964	24888	3076 -							
	117 00	74	458	28038	35020			40 14	72 92				
4	117 00	74	330	28038	25218	2820 -							
	118 00		883	28038	35903			4	174 22				
3	118 00		724	28038	25942	2096 -							
	119 00		1320	28038	37223				302 75				
2	119 00		1082	28038	27024	1014 -							
	120 00		798	28038	38021				410 31				
	120 00		654	28038	27678	360 -							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012 (6)	38	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	120 50		700	P.E. LT.									
	120 50		574										
	120 50		314	28038	39035				451 72				
	120 50		257	28038	28509	BAL 6							
	120 68		1430	28038	40465								
	120 68		1173	28038	29682	1644 6							
	121 50		915	28038	41380				490 18				
	121 50		750	28038	30432	2394 6							
	122 00		254	S.R.									
	122 00		208										
	122 00	30		S.R.									
	122 00	30											
	122 00		1804	28068	43438				498 55				
	122 00		1479	28068	32119	4051 6							
	123 00		1555	28068	44993				475 37				
	123 00		1275	28068	33394	5326 6							
	124 00		993	28068	45986				364 44				
	124 00		814	28068	34208	6140 6							
	125 00	116	359	28184	46345				171 82				
	125 00	116	258	28184	34466	6282 6							
	126 00	387	79	28571	46424			62 65	21 89				
	126 00	387	57	28571	34523	5952 6							
	127 00	30		P.E. LT.									
	127 00	30											
	127 00	549	69	29150	46493			146 22	20 78				
	127 00	549	50	29150	34573	5423 6							
	128 00	431	75	29581	46568			150 22	16 30				
	128 00	431	54	29581	34627	5046 6							
	129 00	75		P.E. RT.									
	129 00	75											
	129 00	251	137	29907	46705			82 69	24 30				
	129 00	251	99	29907	34726	4819 6							
	130 00	119	257	30026	46962			52 91	49 49				
	130 00	119	185	30026	34911	4885 6							
	131 00	38	361	30064	47323			11 26	89 52				
	131 00	38	260	30064	35171	5107 6							
	132 00	193	246	30257	47569			9 43	105 30				
	132 00	193	177	30257	35348	5091 6							
	133 00	690	61	30947	47630			94 56	27 30				
	133 00	690	44	30947	35392	4445 6							
	134 00	1333	22	32280	47652			278 07	5 85				
	134 00	1333	16	32280	35408	3128 6							

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STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	135 00	2883	28	35163	47680			441 58	5 95				
	135 00	2883	20	35163	35428	265 6							
	136 36	266	1	35429	47681			703 31	5 02				
	136 36	266	1	35429	35429	BAL 6							
	136 47	669	2	36098	47683								
	136 47	669	1	36098	35430	668 -							
	136 73	1566	3	37664	47686			661 03					
	136 73	1566	2	37664	35432	2232 -							
	137 46	907	8	38571	47694			497 42	1 98				
	137 46	907	6	38571	35438	3133 -							
	138 00	1121	24	39692	47718			409 84	5 60				
	138 00	1121	17	39692	35455	4237 -							
	139 00	45		P.E. RT.									
	139 00	45											
	139 00	368	195	40105	47913			195 44	7 47				
	139 00	368	140	40105	35595	4510 -							
	140 00	6	740	40111	48653			3 05	97 69				
	140 00	6	533	40111	36128	3983 -							
	141 00		1104	40111	49757				302 09				
	141 00		795	40111	36923	3188 -							
	142 00		1140	40111	50897				293 97				
	142 00		821	40111	37744	2367 -							
	143 00		1161	40111	52058				321 78				
	143 00		836	40111	38580	1531 -							
	144 00	1	922	40112	52980				305 04				
	144 00	1	664	40112	39244	868 -							
	145 00	34	476	40146	53456			57	193 11				
	145 00	34	343	40146	39587	559 -							
	146 00	126	109	40272	53565			17 69	63 85				
	146 00	126	78	40272	39665	607 -							
	146 75	226	25	40498	53590			73 09	14 65				
	146 75	226	18	40498	39683	815 -							
	147 42		86	S.R.									
	147 42		62										
	147 42	424		S.R.									
	147 42	424											
	147 42	228	25	41150	53701			109 23	5 35				
	147 42	228	18	41150	39763	1387 -							
	148 00		117	Surface									
	148 00		84	Stone									
	148 00	212	98	41362	53916			102 86	17 59				
	148 00	212	71	41362	39918	1444 -							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	149 00	64	122	41426	54038			11 48	35 35				
	149 00	64	88	41426	40006	1420 -							
	150 00	92	131	41518	54169			23 18	30 72				
	150 00	92	94	41518	40100	1418 -							
	151 00	55	251	41573	54420			26 55	40 22				
	151 00	55	181	41573	40281	1292 -							
	152 00	15	331	41588	54751			3 11	95 25				
	152 00	15	238	41588	40519	1069 -							
	153 00	13	319	41601	55070			5 13	83 70				
	153 00	13	230	41601	40749	852 -							
	154 00	4	393	41605	55463			1 99	88 81				
	154 00	4	283	41605	41032	573 -							
	155 00		60	P.E. RT.									
	155 00		43										
	155 00	15		P.E. RT.									
	155 00	15											
	155 00	5	376	41625	55899				123 59				
	155 00	5	271	41625	41346	279 -							
	156 00	23	217	41648	56116			2 50	79 19				
	156 00	23	156	41648	41502	146 -							
	157 00	52	113	41700	56229			9 84	37 75				
	157 00	52	81	41700	41583	117 -							
	158 00	68	106	41768	56335			18 45	23 45				
	158 00	68	76	41768	41659	109 -							
	159 00	69	135	41837	56470			18 03	33 96				
	159 00	69	97	41837	41756	81 -							
	160 00	56	158	41893	56628			19 46	38 75				
	160 00	56	114	41893	41870	23 -							
	161 00	9	45	41902	56673			10 92	46 34				
	161 00	9	32	41902	41902	BAL 6							
	161 22	31	155	41933	56828								
	161 22	31	112	41933	42014	81 6							
	162 00	26	310	41959	57138			10 52	61 40				
	162 00	26	223	41959	42237	278 6							
	163 00	42	362	42001	57500			3 56	105 98				
	163 00	42	261	42001	42498	497 6							
	164 00	157	189	42158	57689			19 00	89 43				
	164 00	157	136	42158	42634	476 6							
	165 00	176	66	42334	57755			65 57	12 89				
	165 00	176	48	42334	42682	348 6							
	166 00	79	178	42413	57933			29 65	22 87				
	166 00	79	128	42413	42810	397 6							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	39	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	167 00		56	Surface Stone									
	167 00		40	P.E. RT.									
	167 00	25		P.E. RT.									
	167 00	25											
	167 00	54	230	42492	58219			12 97	73 12				
	167 00	54	166	42492	43016	524 ℄							
	168 00	68	142	42560	58361			16 16	50 93				
	168 00	68	102	42560	43118	558 ℄							
	169 00	73	79	42633	58440			20 63	25 96				
	169 00	73	57	42633	43175	542 ℄							
	170 00		6	Surface									
	170 00		4	Stone									
	170 00	57	104	42690	58550			19 05	16 56				
	170 00	57	75	42690	43254	564 ℄							
	171 00	31	181	42721	58731			11 50	39 44				
	171 00	31	130	42721	43384	663 ℄							
	172 00	27	310	42748	59041			5 03	58 09				
	172 00	27	223	42748	43607	859 ℄							
	173 00		661	S.R.									
	173 00		476										
	173 00	18		S.R.									
	173 00	18											
	173 00	36	361	42802	60063			9 81	109 51				
	173 00	36	260	42802	44343	1541 ℄							
	174 00	36	305	42838	60368			9 52	85 22				
	174 00	36	220	42838	44563	1725 ℄							
	175 00	38	297	42876	60665			9 68	79 59				
	175 00	38	214	42876	44777	1901 ℄							
	176 00	31	284	42907	60949			10 80	80 54				
	176 00	31	204	42907	44981	2074 ℄							
	177 00		20	P.E. RT.									
	177 00		14										
	177 00	25		P.E. RT.									
	177 00	25											
	177 00	15	323	42947	61292			5 76	72 85				
	177 00	15	233	42947	45228	2281 ℄							
	178 00	25	325	42972	61617			2 13	101 38				
	178 00	25	234	42972	45462	2490 ℄							
	179 00	63	284	43035	61901			11 51	74 26				
	179 00	63	204	43035	45666	2631 ℄							
	180 00	142	224	43177	62125			22 64	79 23				
	180 00	142	161	43177	45827	2650 ℄							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	181 00	271	105	43448	62230			53 87	41 86				
	181 00	271	76	43448	45903	2455 ℄							
	182 00	377	51	43825	62281			92 59	14 91				
	182 00	377	37	43825	45940	2115 ℄							
	183 00	351	78	44176	62359			111 25	12 74				
	183 00	351	56	44176	45996	1820 ℄							
	184 00	247	89	44423	62448			78 08	29 15				
	184 00	247	64	44423	46060	1637 ℄							
	185 00	211	52	44634	62500			55 33	19 05				
	185 00	211	37	44634	46097	1463 ℄							
	186 00		30	E.B.S.									
	186 00		22										
	186 00	30		E.B.S.									
	186 00	30											
	186 00	260	57	44924	62587			58 70	9 21				
	186 00	260	41	44924	46160	1236 ℄							
	187 00	401	91	45325	62678			81 76	21 75				
	187 00	401	66	45325	46226	901 ℄							
	188 00	85		P.E. RT.									
	188 00	85											
	188 00	614	84	46024	62762			135 02	27 20				
	188 00	614	60	46024	46286	262 ℄							
	189 00	274	17	46298	62779			196 48	17 91				
	189 00	274	12	46298	46298	BAL ℄							
	189 31	612	36	46910	62815								
	189 31	612	26	46910	46324	586 –							
	190 00	1159	83	48069	62898			282 14	10 82				
	190 00	1159	60	48069	46384	1685 –							
	191 00	1177	68	49246	62966			343 97	34 02				
	191 00	1177	49	49246	46433	2813 –							
	192 00	463	48	49709	63014			291 42	2 62				
	192 00	463	35	49709	46468	3241 –							
	192 64	191	96	49900	63110			98 96	37 53				
	192 64	191	69	49900	46537	3363 –							
	193 42	47	98	49947	63208			33 03	28 63				
	193 42	47	71	49947	46608	3339 –							
	194 00	80		P.E. RT.									
	194 00	80											
	194 00	65	256	50092	63464			11 06	62 49				
	194 00	65	184	50092	46792	3300 –							
	195 00		30	E.B.S.									
	195 00		22										

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STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	195 00	30		E.B.S.									
	195 00	30											
	195 00	64	216	50186	63710			23 88	75 90				
	195 00	64	156	50186	46970	3216 –							
	196 00	30		P.E. RT.									
	196 00	30											
	196 00	25	207	50241	63917			10 84	40 53				
	196 00	25	149	50241	47119	3122 –							
	197 00		30	E.B.S.									
	197 00		22										
	197 00	30		E.B.S.									
	197 00	30											
	197 00	5	413	50276	64360			2 59	71 43				
	197 00	5	297	50276	47438	2838 –							
	198 00	1	599	50277	64959			29	151 78				
	198 00	1	431	50277	47869	2408 –							
	199 00		30	P.E. LT									
	199 00		22										
	199 00	30		P.E. LT.									
	199 00	30											
	199 00		317	50307	65306				171 44				
	199 00		228	50307	48119	2188 –							
	200 00		3089	Borrow									
	200 00		2188	Borrow		BAL ℄							
	MARSH			50307	68345								
	ROCK			50307	50307								

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	S 012(6)	40	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	326 00		78		78								
	326 00		78		78	78 &							
	327 00	8	106	8	184			19	42 05				
	327 00	11	106	11	184	173 &							
	327 78	4	28	12	212			5 18	31 36				
	327 78	6	28	17	212	195 &							
	328 00		5	P.E. Rt.									
	328 00		5										
	328 00	109	133	121	350			5 39	36 89				
	328 00	153	133	170	350	180 &							
	329 00	157	40	278	390			53 61	34 79				
	329 00	220	40	390	390	BAL &							
	329 49	165	41	443	431								
	329 49	231	41	621	431	190 -							
	330 00	462	28	905	459			120 13	8 96				
	330 00	647	28	1268	459	809 -							
	331 00	453	25	1358	484			129 34	6 17				
	331 00	634	25	1902	484	1418 -							
	332 00	445	45	1803	529			115 34	7 30				
	332 00	623	45	2525	529	1996 -							
	333 00	392	99	2195	628			124 99	17 20				
	333 00	549	99	3074	628	2446 -							
	334 00	310	88	2505	716			86 63	36 07				
	334 00	434	88	3508	716	2792 -							
	335 00	311	31	2816	747			80 80	11 70				
	335 00	435	31	3943	747	3196 -							
	336 00	342	24	3158	771			87 24	5 23				
	336 00	479	24	4422	771	3651 -							
	337 00	335	27	3493	798			97 28	7 69				
	337 00	469	27	4891	798	4093 -							
	338 00	308	29	3801	827			83 39	6 80				
	338 00	431	29	5322	827	4495 -							
	339 00	316	35	4117	862			82 71	8 63				
	339 00	442	35	5764	862	4902 -							
	340 00	316	33	4433	895			88 10	10 31				
	340 00	442	33	6206	895	5311 -							
	341 00	307	35	4740	930			82 72	7 68				
	341 00	430	35	6636	930	5706 -							
	342 00	277	99	5017	1029			83 25	11 00				
	342 00	388	99	7024	1029	5995 -							
	343 00	236	141	5253	1170			66 26	42 53				
	343 00	330	141	7354	1170	6184 -							

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STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	344 00	210	106	5463	1276			61 45	33 84				
	344 00	294	106	7648	1276	6372 -							
	345 00	204	125	5667	1401			51 81	23 32				
	345 00	286	125	7934	1401	6533 -							
	346 00	198	169	5865	1570			58 34	44 41				
	346 00	277	169	8211	1570	6641 -							
	347 00	150	198	6015	1768			48 73	46 98				
	347 00	210	198	8421	1768	6653 -							
	348 00	91	232	6106	2000			32 23	60 00				
	348 00	127	232	8548	2000	6548 -							
	349 00		20	P.E. RT.									
	349 00		20										
	349 00	51	257	6157	2277			16 73	65 19				
	349 00	71	257	8619	2277	6342 -							
	350 00	31	310	6188	2587			10 82	73 82				
	350 00	43	310	8662	2587	6075 -							
	351 00	16	359	6204	2946			5 69	93 64				
	351 00	22	359	8684	2946	5738 -							
	352 00		119	Surface									
	352 00		119	stone									
	352 00		5300			BORROW &							
	352 00		5300	Borrow		BORROW &							
	352 00	16	341	6220	8706			2 83	100 10				
	352 00	22	341	8706	8706	BAL &							
	353 00	41	230	6261	8936			5 77	84 26				
	353 00	57	230	8763	8936	173 &							
	354 00	149	97	6410	9033			16 34	40 19				
	354 00	209	97	8972	9033	61 &							
	355 00	47	5	6457	9038			64 34	12 22				
	355 00	66	5	9038	9038	BAL &							
	355 16	238	23	6695	9061								
	355 16	333	23	9371	9061	310 -							
	356 00	381	23	7076	9084			89 49	2 85				
	356 00	533	23	9904	9084	820 -							
	357 00	400	39	7476	9123			116 42	9 41				
	357 00	560	39	10464	9123	1341 -							
	358 00	328	72	7804	9195			99 74	11 42				
	358 00	459	72	10923	9195	1728 -							
	359 00	215	115	8019	9310			77 41	27 51				
	359 00	301	115	11224	9310	1914 -							
	360 00	90	141	8109	9451			38 84	34 38				
	360 00	126	141	11350	9451	1899 -							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	361 00	20		P.E. LT.									
	361 00	28											
	361 00	19	221	8148	9672			9 77	41 93				
	361 00	27	221	11405	9672	1733 -							
	362 00	6	211	8154	9883			47	77 32				
	362 00	8	211	11413	9883	1530 -							
	363 00		18	S.R. LT.									
	363 00		18	"A" LINE									
	363 00	363		S.R. LT.									
	363 00	508		"A" LINE									
	363 00	12	130	8529	10031			2 85	36 89				
	363 00	17	130	11938	10031	1907 -							
	364 00	39	95	8568	10126			3 77	33 34				
	364 00	55	95	11993	10126	1867 -							
	365 00	74	63	8642	10189			17 55	17 76				
	365 00	104	63	12097	10189	1908 -							
	366 00	67	79	8709	10268			22 52	16 29				
	366 00	94	79	12191	10268	1923 -							
	367 00	71	82	8780	10350			13 50	26 19				
	367 00	99	82	12290	10350	1940 -							
	368 00	82	92	8862	10442			24 79	18 27				
	368 00	115	92	12405	10442	1963 -							
	369 00	94	95	8956	10537			19 38	31 29				
	369 00	132	95	12537	10537	2000 -							
	370 00	19		P.E. RT.									
	370 00	27											
	370 00	148	62	9123	10599			31 21	19 94				
	370 00	207	62	12771	10599	2172 -							
	371 00	8		P.E. LT.									
	371 00	11											
	371 00	170	52	9301	10651			48 93	13 36				
	371 00	238	52	13020	10651	2369 -							
	372 00	84	150	9385	10801			43 05	14 98				
	372 00	118	150	13138	10801	2337 -							
	373 00	5	382	9390	11183			2 55	65 87				
	373 00	7	382	13145	11183	1962 -							
	374 00		574	9390	11757				140 57				
	374 00		574	13145	11757	1388 -							
	375 00		816	9390	12573				169 27				
	375 00		816	13145	12573	572 -							
	376 00		572	9390	13145				271 59				
	376 00		572	13145	13145	BAL &							

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STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	41	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	376 56		456	9390	13601								
	376 56		456	13145	13601	456 &							
	377 00		986	9390	14587				283 53				
	377 00		986	13145	14587	1442 &							
	378 00		773	9390	15360				248 73				
	378 00		773	13145	15360	2215 &							
	379 00	5	464	9395	15824				168 49				
	379 00	7	464	13152	15824	2672 &							
	380 00		10	P.E. LT.									
	380 00		10										
	380 00	125	179	9520	16013			2 72	82 05				
	380 00	175	179	13327	16013	2686 &							
	381 00	115		P.E. RT.									
	381 00	161											
	381 00	470	28	10105	16041			64 53	14 86				
	381 00	658	28	14146	16041	1895 &							
	382 00	892		10997	16041			189 22					
	382 00	1249		15395	16041	646 &							
	383 00	462		11459	16041			292 64					
	383 00	646		16041	16041	BAL &							
	383 37	788		12247	16041								
	383 37	1104		17145	16041	1104 -							
	384 00	1433	10	13680	16051			382 43					
	384 00	2006	10	19151	16051	3100 -							
	385 00	1378	21	15058	16072			391 40	5 25				
	385 00	1929	21	21080	16072	5008 -							
	386 00	1062	21	16120	16093			352 85	5 84				
	386 00	1487	21	22567	16093	6474 -							
	387 00	510	47	16630	16140			220 50	5 62				
	387 00	714	47	23281	16140	7141 -							
	388 00	104	235	16734	16375			54 84	19 98				
	388 00	146	235	23427	16375	7052 -							
	389 00	3		P.E. RT.									
	389 00	4											
	389 00	1	276	16738	16651			1 45	107 08				
	389 00	1	276	23432	16651	6781 -							
	390 00		175	S.R. RT.									
	390 00		175	"B" LINE									
	389 50		966	16738	17792				190 89				
	389 50		966	23432	17792	5640 -							
	390 50		650	16738	18442				330 50				
	390 50		650	23432	18442	4990 -							

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	391 00		1362	16738	19804				371 31				
	391 00		1362	23432	19804	3628 -							
	392 00		990	16738	20794				364 10				
	392 00		990	23432	20794	2638 -							
	393 00		213	16738	21007				170 36				
	393 00		213	23432	21007	2425 -							
	393 40		257	16738	21264			18	116 93				
	393 40		257	23432	21264	2168 -							
	394 00	41	367	16779	21631			5	114 02				
	394 00	57	367	23489	21631	1858 -							
	395 00	24	168	16803	21799			22 08	83 93				
	395 00	34	168	23523	21799	1724 -							
	395 58		124	16803	21923			63	72 18				
	395 58		124	23523	21923	1600 -							
	396 00	100		P.E. RT.									
	396 00	140											
	396 00	2	311	16905	22234				87 24				
	396 00	3	311	23666	22234	1432 -							
	397 00	3	301	16908	22535			1 12	80 94				
	397 00	4	301	23670	22535	1135 -							
	398 00	5	260	16913	22795			66	81 71				
	398 00	7	260	23677	22795	882 -							
	399 00	114	135	17027	22930			1 88	58 77				
	399 00	160	135	23837	22930	907 -							
	400 00	427	37	17454	22967			59 83	14 40				
	400 00	598	37	24435	22967	1468 -							
	401 00	785	20	18239	22987			170 96	5 57				
	401 00	1099	20	25534	22987	2547 -							
	402 00	753	14	18992	23001			252 98	5 12				
	402 00	1054	14	26588	23001	3587 -							
	403 00	314	80	19306	23081			153 41	2 52				
	403 00	440	80	27028	23081	3947 -							
	404 00	30	328	19336	23409			16 18	40 71				
	404 00	42	328	27070	23409	3661 -							
	405 00		760	19336	24169				136 55				
	405 00		760	27070	24169	2901 -							
	406 00		1211	19336	25380				273 84				
	406 00		1211	27070	25380	1690 -							
	407 00		50	P.E. LT.									
	407 00		50										
	407 00		1228	19336	26658				379 92				
	407 00		1228	27070	26658	412 -							

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	408 00		49	Surface									
	408 00		49	STONE									
	408 00	10		P.E. RT.									
	408 00	14											
	408 00	6	402	19352	27085				283 19				
	408 00	8	402	27085	27085	BAL &							
	408 52	5	373	19357	27482								
	408 52	7	373	27099	27482	383 &							
	409 00	43	346	19400	27828			6 15	135 24				
	409 00	60	346	27159	27828	669 &							
	410 00	51	194	19451	28022			17 34	51 78				
	410 00	71	194	27230	28022	792 &							
	411 00	37	204	19488	28226			10 11	52 94				
	411 00	52	204	27282	28226	944 &							
	412 00		10	Surface									
	412 00		10	STONE									
	412 00	132	139	19620	28375			9 61	57 22				
	412 00	185	139	27467	28375	908 &							
	413 00	331	44	19951	28419			61 94	17 70				
	413 00	463	44	27930	28419	489 &							
	414 00	362	18	20313	28437			116 93	5 99				
	414 00	507	18	28437	28437	BAL &							
	414 81	87	4	20400	28441								
	414 81	122	4	28559	28441	118 -							
	415 00	220	11	20620	28452			125 34	5 67				
	415 00	308	11	28867	28452	415 -							
	415 50	212	12	20832	28464			111 92	5 70				
	415 50	297	12	29164	28464	700 -							
	416 06		50	S.R. LT.									
	416 06		50	"C" LINE									
	416 06	269		S.R. LT.									
	416 06	377		"C" LINE									
	416 06	307	23	21408	28537			92 51	5 45				
	416 06	430	23	29971	28537	1434 -							
	417 00		1657	Borrow		BORROW							
	417 00		1657			BORROW							
	417 00	290	32	21698	30226			83 75	7 92				
	417 00	406	32	30377	30226	151 -							
	418 00	275	32	21973	30258			72 60	9 59				
	418 00	385	32	30762	30258	504 -							
	419 00	246	40	22219	30298			75 81	7 54				
	419 00	344	40	31106	30298	808 -							

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	42	89

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	420 00	189	46	22408	30344			57 00	14 17				
	420 00	265	46	31371	30344	1027 -							
	421 00	144	46	22552	30390			45 08	10 58				
	421 00	202	46	31573	30390	1183 -							
	422 00	89	85	22641	30475			32 78	14 28				
	422 00	125	85	31698	30475	1223 -							
	423 00	60	154	22701	30629			15 49	31 76				
	423 00	84	154	31782	30629	1153 -							
	424 00	82	191	22783	30820			16 86	51 47				
	424 00	115	191	31897	30820	1077 -							
	425 00	104	142	22887	30962			27 62	51 75				
	425 00	146	142	32043	30962	1081 -							
	426 00	212	73	23099	31035			28 52	24 94				
	426 00	297	73	32340	31035	1305 -							
	427 00	360	47	23459	31082			86 11	14 32				
	427 00	504	47	32844	31082	1762 -							
	428 00		4	Surface									
	428 00		4	STONE									
	428 00	353	44	23812	31130			108 25	11 15				
	428 00	494	44	33338	31130	2208 -							
	429 00		8	S.R. RT.									
	429 00		8	"D" LINE									
	429 00	112		S.R. RT.									
	429 00	157		"D" LINE									
	429 00	207	81	24131	31219			82 63	12 75				
	429 00	290	81	33785	31219	2566 -							
	430 00	122	96	24253	31315			29 22	30 77				
	430 00	171	96	33956	31315	2641 -							
	431 00	105	85	24358	31400			36 81	20 89				
	431 00	147	85	34103	31400	2703 -							
	432 00	37	257	24395	31657			19 93	24 94				
	432 00	52	257	34155	31657	2498 -							
	433 00		653	24395	32310				113 79				
	433 00		653	34155	32310	1845 -							
	434 00		60	P.E. R.T.									
	434 00		60										
	434 00		1006	24395	33376				238 91				
	434 00		1006	34155	33376	779 -							
	435 00		30	P.E. RT.									
	435 00		30										
	435 00		760	24395	34155				304 40				
	435 00		760	34155	34155	BAL &							

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STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	435 65		407	24395	34573								
	435 65		407	34155	34573	418 &							
	436 00		1257	24395	35830				325 98				
	436 00		1257	34155	35830	1675 &							
	437 00		1177	24395	37007				352 76				
	437 00		1177	34155	37007	2852 &							
	438 00		849	24395	37856				282 70				
	438 00		849	34155	37856	3701 &							
	439 00	5	524	24400	38380				175 93				
	439 00	7	524	34162	38380	4218 &							
	440 00	22	313	24422	38693			2 72	106 97				
	440 00	31	313	34193	38693	4500 &							
	441 00	50	163	24472	38856			9 05	61 87				
	441 00	70	163	34263	38856	4593 &							
	442 00		98	Surface									
	442 00		98	STONE									
	442 00	138	76	24610	39030			18 03	25 95				
	442 00	193	76	34456	39030	4574 &							
	443 00	259	52	24869	39082			56 47	14 84				
	443 00	363	52	34819	39082	4263 &							
	444 00	316	53	25185	39135			83 14	13 33				
	444 00	442	53	35261	39135	3874 &							
	445 00	298	50	25483	39185			87 54	15 41				
	445 00	417	50	35678	39185	3507 &							
	446 00	271	49	25754	39234			73 54	11 75				
	446 00	379	49	36057	39234	3177 &							
	447 00	251	49	26005	39283			72 63	14 87				
	447 00	351	49	36408	39283	2875 &							
	448 00	236	41	26241	39324			62 92	11 39				
	448 00	330	41	36738	39324	2586 &							
	449 00	199	44	26440	39368			64 45	11 01				
	449 00	279	44	37017	39368	2351 &							
	450 00	140	71	26580	39439			43 28	12 50				
	450 00	196	71	37213	39439	2226 &							
	451 00	95	105	26675	39544			32 29	25 99				
	451 00	133	105	37346	39544	2198 &							
	452 00	189	86	26864	39630			19 09	30 56				
	452 00	265	86	37611	39630	2019 &							
	453 00	20		P.E. LT.									
	453 00	28											
	453 00	448	53	27332	39683			83 18	15 73				
	453 00	627	53	38266	39683	1417 &							

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	454 00	674	50	28006	39733			158 58	12 82				
	454 00	944	50	39210	39733	523 &							
	455 00			28006	39733			205 33	14 03				
Equation	455+00 Back=			39210	39733	523 &							
	456+00 Ahead												
	456 00	389	22	28395	39755			205 33	14 03				
	456 00	545	22	39755	39755	BAL &							
	456 46	449	24	28844	39779								
	456 46	628	24	40383	39779	604 -							
	457 00	857	43	29701	39822			247 03	11 00				
	457 00	1200	43	41583	39822	1761 -							
	458 00	661	45	30362	39867			215 49	12 31				
	458 00	925	45	42508	39867	2641 -							
	459 00	318	70	30680	39937			141 52	11 93				
	459 00	445	70	42953	39937	3016 -							
	460 00	56	277	30736	40214			30 05	25 86				
	460 00	78	277	43031	40214	2817 -							
	461 00		462	30736	40676			2	123 92				
	461 00		462	43031	40676	2355 -							
	462 00		8	P.E. LT.									
	462 00		8										
	462 00	20		P.E. LT.									
	462 00	28		P.E. RT.									
	462 00	1	426	30757	41110			1	125 52				
	462 00	1	426	43060	41110	1950 -							
	463 00	2	413	30759	41523			37	104 38				
	463 00	3	413	43063	41523	1540 -							
	464 00	2	431	30761	41954			60	118 39				
	464 00	3	431	43066	41954	1112 -							
	465 00	6	397	30767	42351			57	114 53				
	465 00	8	397	43074	42351	723 -							
	466 00	10	353	30777	42704			2 90	100 09				
	466 00	14	353	43088	42704	384 -							
	467 00	26	256	30803	42960			2 61	90 79				
	467 00	36	256	43124	42960	164 -							
	468 00	46	146	30849	43106			11 47	47 69				
	468 00	64	146	43188	43106	82 -							
	469 00	10		P.E. LT.									
	469 00	14											
	469 00	26	62	30885	43168			13 31	31 33				
	469 00	36	62	43238	43168	70 -							
	469 50		13	S.R. LT. & RT.									
	469 50		13	"E" LINE									

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	43	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	469 50	58		S.R. LT. & RT. "E" LINE									
	469 50	81											
	469 50	35	151	30978	43332			14 40	36 12				
	469 50	49	151	43368	43332	36 -							
	470 50	4	42	30982	43374			4 57	45 25				
	470 50	6	42	43374	43374	BAL &							
	471 00												
	471 00					BAL &							
	MARSH ROCK												

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)		

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	522 00							1 51	41 97				
	522 00					BAL &							
	522 00		115		115								
	522 00		115		115	115 &							
	523 00		48										
	523 00		48	P.E. LT.									
	523 00	140											
	523 00	182		P.E. LT.									
	523 00	2	271	142	434				62 01				
	523 00	3	271	185	434	249 &							
	524 00	5	360	147	794			94	84 50				
	524 00	7	360	192	794	602 &							
	525 00	17	374	164	1168			1 90	110 02				
	525 00	22	374	214	1168	954 &							
	526 00	112	207	276	1375			7 19	91 84				
	526 00	146	207	360	1375	1015 &							
	527 00	324	45	600	1420			53 16	20 04				
	527 00	421	45	781	1420	639 &							
	528 00	30											
	528 00	39		P.E. LT.									
	528 00	478	16	1108	1436			122 04	4 32				
	528 00	621	16	1441	1436	BAL &							
	528 88	65	2	1173	1438								
	528 88	85	2	1526	1438	88 -							
	529 00		259										
	529 00		259	CHANNEL CHANGE									
	529 00	316	4	1489	1701			171 13	5 23				
	529 00	411	4	1937	1701	236 -							
	529 37	120		1609	1701			289 62					
	529 37	156		2093	1701	392 -							
	529 49	397		2006	1701			251 72					
	529 49	516		2609	1701	908 -							
	530 00		81										
	530 00		81	CHANNEL CHANGE									
	530 00	17											
	530 00	22		CHANNEL CHANGE									
	530 00	688		2711	1782			168 97					
	530 00	894		3525	1782	1743 -							
	531 00		148										
	531 00		148	CHANNEL CHANGE									
	531 00	50											
	531 00	65		CHANNEL CHANGE									

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	531 00	685		3446	1930			202 69					
	531 00	891		4481	1930	2551 -							
	532 00		122										
	532 00		122	CHANNEL CHANGE									
	532 00	46											
	532 00	60		CHANNEL CHANGE									
	532 00	603		4095	2052			167 14					
	532 00	784		5325	2052	3273 -							
	533 00		118										
	533 00		115	CHANNEL CHANGE									
	533 00	63											
	533 00	82		CHANNEL CHANGE									
	533 00	429		4587	2167			158 66					
	533 00	558		5965	2167	3798 -							
	533 60	279		4866	2167			227 20					
	533 60	363		6328	2167	4161 -							
	534 00		73										
	534 00		73	CHANNEL CHANGE									
	534 00	44											
	534 00	57		CHANNEL CHANGE									
	534 00	504		5414	2240			150 01					
	534 00	655		7040	2240	4800 -							
	535 00		265										
	535 00		265	CHANNEL CHANGE									
	535 00	128											
	535 00	166		CHANNEL CHANGE									
	535 00	356		5898	2505			122 02					
	535 00	463		7669	2505	5164 -							
	536 00		243										
	536 00		243	CHANNEL CHANGE									
	536 00	81											
	536 00	105		CHANNEL CHANGE									
	536 00	257		6236	2748			70 03					
	536 00	334		8108	2748	5360 -							
	537 00		196										
	537 00		196	CHANNEL CHANGE									
	537 00	87											
	537 00	113		CHANNEL CHANGE									
	537 00	244		6567	2944			68 97	5				
	537 00	317		8938	2944	5594 -							
	538 00		313										
	538 00		313	CHANNEL CHANGE									

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	44	89

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	538 00	266		P.E. LT.									
	538 00	346		CHANNEL CHANGE									
	538 00	223	2	7056	3259			62 53					
	538 00	290	2	9174	3259	5915 -							
	539 00		503										
	539 00		503	CHANNEL CHANGE									
	539 00	245											
	539 00	319		CHANNEL CHANGE									
	539 00	239	17	7540	3779			57 92	1 03				
	539 00	311	17	9804	3779	6025 -							
	540 00	246	26	7786	3805			70 99	8 26				
	540 00	320	26	10124	3805	6319 -							
	541 00	284	212	8070	4017			61 72	5 99				
	541 00	369	212	10493	4017	6476 -							
	543 00	51	219	8121	4236			15 00	51 19				
	543 00	66	219	10559	4236	6323 -							

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	544 00	23	439	8144	4675			12 39	66 89				
	544 00	30	439	10589	4675	5914 -							
	545 00	15											
	545 00	20		P.E. RT.									
	545 00		779	8159	5454				170 07				
	545 00		779	10609	5454	5155 -							

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	546 00		1038	8159	6492				250 67				
	546 00		1038	10609	6492	4117 -							
	547 00		1094	8159	7586				309 85				
	547 00		1094	10609	7586	3023 -							
	548 00		879	8159	8465				281 08				
	548 00		879	10609	8465	2144 -							
	549 00		587	8159	9052				193 60				
	549 00		587	10609	9052	1557 -							
	550 00		552	8159	9604				123 31				
	550 00		552	10609	9604	1005 -							
	551 00		844	8159	10448				174 77				
	551 00		844	10609	10448	161 -							
	552 00		50										
	552 00		50	P.E. LT.									
	552 00	15											
	552 00	20		P.E. LT.									
	552 00		157	8174	10655				280 81				
	552 00		157	10629	10655	BAL 6							
	552 15		894	8174	11549								
	552 15		894	10629	11549	920 6							
	553 00		965	8174	12514				286 65				
	553 00		965	10629	12514	1885 6							
	554 00	1	745	8175	13259				234 29				
	554 00	1	745	10630	13259	2629 6							
	555 00	12	421	8187	13680			35	168 01				
	555 00	16	421	10646	13680	3034 6							
	556 00	321	110	8508	13790			5 96	59 51				
	556 00	417	110	11063	13790	2727 6							
	557 00	768		9276	13790			167 29					
	557 00	998		12061	13790	1729 6							
	558 00	482		9758	13790			247 48					
8	558 00	627		12688	13790	1102 6							
	558 52	423	8	10181	13798			253 14					
5	558 52	550	8	13238	13798	560 6							
	559 00	452	27	10633	13825			222 69	9 53				
4	559 00	587	27	13825	13825	BAL 6							
	559 61	292	17	10925	13842								
3	559 61	380	17	14205	13842	363 -							
	560 00	543	47	11468	13889			178 87	14 40				
2	560 00	706	47	14911	13889	1022 -							
	561 00	274	58	11742	13947			114 38	10 95				
	561 00	356	58	15267	13947	1320 -							

STATE HIGHWAY COMMISSION OF WISCONSIN
EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	562 00	71	157	11813	14104			33 61	20 28				
	562 00	92	157	15359	14104	1255 -							
	563 00	9	313	11822	14417			4 69	64 44				
	563 00	12	313	15371	14417	954 -							
	564 00	17	228	11839	14645			33	104 62				
	564 00	22	228	15393	14645	748 -							
	565 00	67	52	11906	14697			8 74	18 67				
	565 00	87	52	15480	14697	783 -							
	566 00		200	E.B.S.									
	566 00		200										
	566 00	200		E.B.S.									
	566 00	260											
	566 00	62	126	12168	15023			27 71	9 51				
	566 00	81	126	15821	15023	798 -							
	567 00	12	333	12180	15356			5 96	58 54				
	567 00	16	333	15837	15356	481 -							
	568 00		481	12180	15837			27	121 11				
	568 00		481	15837	15837	BAL 6							
	568 88		63	12180	15900								
	568 88		63	15837	15900	63 6							
	569 00		721	12180	16621				172 45				
	569 00		721	15837	16621	784 6							
	570 00		833	12180	17454				216 91				
	570 00		833	15837	17454	1617 6							
	571 00		73										
	571 00		73	P.E. RT.									
	571 00	15											
	571 00	20		P.E. RT.									
	571 00		847	12195	18374				233 11				
	571 00		847	15857	18374	2517 6							
	572 00		762	12195	19136				224 20				
6	572 00		762	15857	19136	3279 6							
	573 00	15		P.E. LT.									
5	573 00	20											
	573 00	4	473	12214	19609				187 06				
4	573 00	5	473	15882	19609	3727 6							
	574 00	99	129	12313	19738			2 22	68 20				
3	574 00	129	129	16011	19738	3727 6							
	575 00	376	3	12689	19741			51 47	1 54				
2	575 00	489	3	16500	19741	3241 6							
	576 00		33										
	576 00		33	S. R.									

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	45	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	576 00	82		S.R.									
	576 00	107											
	576 00	718		13489	19774			151 83					
	576 00	933		17540	19774	2234 &							
	577 00	957		14446	19774			236 09					
	577 00	1244		18784	19774	990 &							
	578 00	771	13	15217	19787			280 71					
	578 00	1003	13	19787	19787	BAL &							
	578 72	302	4	15519	19791								
	578 72	392	4	20179	19791	388 -							
	579 00	1036	43	16555	19834			298 53	9 25				
	579 00	1347	43	21526	19834	1692 -							
	580 00	888	44	17443	19878			260 85	13 81				
	580 00	1154	44	22680	19878	2802 -							
	581 00	690	46	18133	19924			218 59	10 05				
	581 00	897	46	23577	19924	3653 -							
	582 00	404	58	18537	19982			154 20	14 73				
	582 00	525	58	24102	19982	4120 -							
	583 00	141	97	18678	20079			63 80	16 48				
	583 00	183	97	24285	20079	4206 -							
	584 00	46		P.E. LT.									
	584 00	60		P.E. LT.									
	584 00	32	239	18786	20318			12 49	35 92				
	584 00	42	239	24387	20318	4069 -							
	585 00	8	372	18764	20690			4 54	93 13				
	585 00	10	372	24397	20690	3707 -							
	586 00		16	P.E. RT.									
	586 00		16										
	586 00	15		P.E. RT.									
	586 00	20											
	586 00		457	18779	21163			4	107 88				
	586 00		457	24417	21163	3254 -							
6	587 00	2	454	18781	21617				139 03				
5	587 00	3	454	24420	21617	2803 -							
	588 00	3	295	18784	21912			93	106 17				
4	588 00	4	295	24424	21912	2512 -							
	589 00		16	P.E. RT.									
	589 00		16										
3	589 00	15		P.E. RT.									
	589 00	20											
2	589 00	21	168	18820	22096			93	53 08				
	589 00	27	168	24471	22096	2375 -							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	590 00		200	E.B.S.									
	590 00		200										
	590 00	200		E.B.S.									
	590 00	260											
	590 00	35	141	19055	22437			10 55	37 40				
	590 00	46	141	24777	22437	2340 -							
	591 00	20		P.E. LT.									
	591 00	26											
	591 00	24	185	19099	22622			8 48	38 85				
	591 00	31	185	24834	22622	2212 -							
	592 00	19	227	19118	22849			4 58	60 82				
	592 00	25	227	24859	22849	2010 -							
	593 00	16	279	19134	23128			5 56	61 83				
	593 00	21	279	24880	23128	1752 -							
	594 00	5	420	19139	23548			2 91	88 95				
	594 00	7	420	24887	23548	1339 -							
	595 00		501	19139	24049				138 12				
	595 00		501	24887	24049	838 -							
	596 00		537	19139	24586			1	132 62				
	596 00		537	24887	24586	301 -							
	597 00		301	19139	24887				157 34				
	597 00		301	24887	24887	BAL &							
	597 44		383	19139	25270								
	597 44		383	24887	25270	383 &							
	598 00		907	19139	26177				211 88				
	598 00		907	24887	26177	1290 &							
	599 00		917	19139	27094				277 97				
	599 00		917	24887	27094	2207 &							
	600 00		814	19139	27908				217 31				
	600 00		814	24887	27908	3021 &							
	601 00		794	19139	28702				222 38				
6	601 00		794	24887	28702	3815 &							
	602 00	5	536	19144	29238				206 57				
5	602 00	7	536	24894	29238	4344 &							
	603 00	27		P.E. LT.									
4	603 00	35											
	603 00	166	177	19337	29415			2 73	82 97				
3	603 00	216	177	25145	29415	4270 &							
	604 00	490	45	19827	29460			86 99	12 83				
2	604 00	637	45	25782	29460	3678 &							
	605 00	724	43	20551	29503			177 74	11 22				
	605 00	941	43	26723	29503	2780 &							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	606 00		37	SURFACE									
	606 00		37	STONE									
	606 00	787	50	21338	29590			213 23	11 88				
	606 00	1023	50	27746	29590	1844 &							
	607 00	681	49	22019	29639			211 75	15 27				
	607 00	885	49	28631	29639	1008 &							
	608 00	355	55	22374	29694			155 75	11 42				
	608 00	462	55	29093	29694	601 &							
	609 00	66	266	22440	29960			35 78	18 21				
	609 00	86	266	29179	29960	781 &							
	610 00		542	22440	30502				125 57				
	610 00		542	29179	30502	1323 &							
	611 00		26	P.E. LT.									
	611 00		26	P.E. RT.									
	611 00	30		P.E. LT.									
	611 00	39		P.E. RT.									
	611 00		592	22470	31120				167 06				
	611 00		592	29218	31120	1902 &							
	612 00		12	P.E. LT.									
	612 00		12										
	612 00	15		P.E. LT.									
	612 00	20											
	612 00	2	490	22487	31622			8	152 63				
	612 00	3	490	29241	31622	2381 &							
	613 00	17	298	22504	31920			84	112 02				
	613 00	22	298	29263	31920	2657 &							
	614 00	46	126	22550	32046			8 09	49 15				
	614 00	60	126	29323	32046	2723 &							
	615 00	126	40	22676	32086			16 61	18 89				
	615 00	164	40	29487	32086	2599 &							
	616 00	215	9	22891	32095			51 35	2 56				
	616 00	280	9	29767	32095	2328 &							
6	617 00	221	13	23112	32108			64 98	2 20				
5	617 00	287	13	30054	32108	2054 &							
	618 00	155	22	23267	32130			54 57	4 65				
4	618 00	202	22	30256	32130	1874 &							
	619 00		1000	E.B.S.									
3	619 00	1000	1000										
	619 00	1300		E.B.S.									
2	619 00	98	41	24365	33171			28 89	7 07				
	619 00	127	41	31683	33171	1488 &							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	46	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	620 00	79	82	24444	33253			23 92	14 91				
	620 00	103	82	31786	33253	1467 6							
	621 00	58	155	24502	33408			18 99	29 34				
	621 00	75	155	31841	33408	1547 6							
	622 00	41	213	24543	33621			12 47	54 57				
	622 00	93	213	31914	33621	1707 6							
	623 00	15		P.E. RT.									
	623 00	20											
	623 00	49	184	24607	33805			9 91	60 23				
	623 00	64	184	31998	33805	1807 6							
	624 00	94	85	24701	33890			16 77	38 94				
	624 00	122	85	32120	33890	1770 6							
	625 00	163	25	24864	33915			34 05	6 99				
	625 00	212	25	32332	33915	1583 6							
	626 00	187	20	25051	33935			53 77	6 35				
	626 00	243	20	32575	33935	1360 6							
	627 00	136	29	25187	33964			47 04	4 62				
	627 00	177	29	32752	33964	1212 6							
	628 00	263		S.R.									
	628 00	342											
	628 00	131	28	25581	33992			26 48	11 06				
	628 00	170	28	33264	33992	728 6							
	629 00	217	20	25798	34012			44 37	4 00				
	629 00	282	20	33546	34012	466 6							
	630 00	315	22	26113	34034			73 08	7 04				
	630 00	410	22	33956	34034	78 6							
	631 00	63	4	26176	34038			96 94	4 73				
	631 00	82	4	34038	34038	BAL 6							
	631 18	282	13	26458	34051								
	631 18	367	13	34405	34051	354 -							
	632 00	248	23	26706	34074			89 13	4 67				
6	632 00	322	23	34727	34074	653 -							
	633 00		15	SURFACE									
5	633 00		15	STONE									
	633 00	93	59	26799	34148			45 05	7 52				
4	633 00	121	59	34848	34148	700 -							
	634 00		22	SURFACE									
3	634 00		22	STONE									
	634 00	29	96	26828	34266			5 23	24 26				
2	634 00	38	96	34886	34266	620 -							
	635 00		5	P.E. LT.									
	635 00		5										

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	635 00	15		P.E. LT.									
	635 00	20											
	635 00	79	63	26922	34334			10 45	27 69				
	635 00	103	63	35009	34334	675 -							
	636 00	151	25	27073	34359			32 30	6 21				
	636 00	196	25	35205	34359	846 -							
	637 00		15	SURFACE									
	637 00		15	STONE									
	637 00	186	20	27259	34394			49 09	7 22				
	637 00	242	20	35447	34394	1053 -							
	638 00		22	SURFACE									
	638 00		22	STONE									
	638 00	150	18	27409	34434			51 31	3 39				
	638 00	195	18	35642	34434	1208 -							
	639 00	96	34	27505	34468			29 51	6 18				
	639 00	125	34	35767	34468	1299 -							
	640 00		800										
	640 00		800	E.B.S.									
	640 00	800											
	640 00	1040		E.B.S.									
	640 00	555	23	28860	35291			22 09	12 00				
	640 00	722	23	37529	35291	2238 -							
	641 00	517	66	29377	35357			277 37	21				
	641 00	672	66	38201	35357	2844 -							
	642 00	63	66	29440	35423			1 84	35 38				
	642 00	82	66	38283	35423	2860 -							
	643 00	135		29575	35423			32 33					
	643 00	176		38459	35423	3036 -							
	644 00	163		29738	35423			40 69					
	644 00	212		38671	35423	3248 -							
	645 00		45	SURFACE									
6	645 00		45	STONE									
	645 00	109	17	29847	35485			47 46					
5	645 00	142	17	38813	35485	3328 -							
	646 00		19	SURFACE STONE									
4	646 00		19	P.E. RT.									
	646 00	20											
3	646 00	26		P.E. RT.									
	646 00	21	336	29888	35840			11 51	9 21				
2	646 00	27	336	38866	35840	3026 -							
	647 00	32											
	647 00	42		P.E. RT.									

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	647 00		612	29920	36452				172 26				
	647 00		612	38908	36452	2456 -							
	648 00	1	273	29921	36725				158 47				
	648 00	1	273	38909	36725	2184 -							
	648 58	1	122	29922	36847			74	96 04				
	648 58	1	122	38910	36847	2063 -							
	649 00	47	124	29969	36971			1 10	60 44				
	649 00	61	124	38971	36971	2000 -							
	650 00	172	12	30141	36983			24 31	6 41				
	650 00	224	12	39195	36983	2212 -							
	651 00	33		P.E. LT.									
	651 00	43											
	651 00	181	12	30355	36995			68 79					
	651 00	235	12	39473	36995	2478 -							
	651 82	32	5	30387	37000			50 43	8 05				
	651 82	42	5	39515	37000	2515 -							
	652 00		15	SURFACE									
	652 00		15	STONE									
	652 00	165	49	30552	37064			45 81	7 18				
	652 00	215	49	39730	37064	2666 -							
	653 00		8	SURFACE									
	653 00		8	STONE									
	653 00	141	26	30693	37098			43 05	19 38				
	653 00	183	26	39913	37098	2815 -							
	653 65	9		30702	37098			73 72	2 32				
	653 65	12		39925	37098	2827 -							
	653 69	76	2	30778	37100			53 71	2 90				
	653 69	99	2	40024	37100	2924 -							
	654 00	83		P.E. LT.									
	654 00	108											
	654 00	172	92	31033	37192			77 84					
6	654 00	224	92	40356	37192	3164 -							
	655 00	34		P.E. LT.									
5	655 00	44											
	655 00	10	71	31077	37263			14 82	49 70				
4	655 00	13	71	40413	37263	3150 -							
	655 25	114	160	31191	37423			7 76	104 16				
3	655 25	148	160	40561	37423	3138 -							
	656 00	150	192	31341	37615			74 28	11 19				
2	656 00	195	192	40756	37615	3141 -							
	657 00		15	SURFACE									
	657 00		15	STONE									

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STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	47	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	657 00	12	800	31353	38430			6 53	92 74				
	657 00	16	800	40772	38430	2342 -							
	658 00		15	SURFACE									
	658 00		15	STONE									
	658 00		450	31353	38895			11	339 18				
	658 00		450	40772	38895	1877 -							
	658 32	1	817	31354	39712			5	420 08				
	658 32	1	817	40773	39712	1061 -							
	659 00		22	SURFACE									
	659 00		22	STONE									
	659 00	153	429	31507	40163			96	228 92				
	659 00	199	429	40972	40163	809 -							
	660 00		22	SURFACE									
	660 00		22	STONE									
	660 00	106	18	31613	40203			81 65	2 97				
	660 00	138	18	41110	40203	907 -							
	660 53	84	17	31697	40220			25 93	14 89				
	660 53	109	17	41219	40220	999 -							
	661 00		44	SURFACE									
	661 00		44	STONE									
	661 00	112		P.E. RT.									
	661 00	146											
	661 00	133	239	31942	40503			70 64	5 16				
	661 00	173	239	41538	40503	1035 -							
	662 00		100	E.B.S.									
	662 00		100										
	662 00	100		E.B.S.									
	662 00	130											
	662 00	2	212	32044	40815			1 00	123 82				
	662 00	3	212	41671	40815	856 -							
	662 41		3811	BORROW		BORROW							
	662 41		3811										
	662 41	3	46	32047	44672			1 26	155 26				
	662 41	3	46	41674	44672	BAL &							
	662 54	7	168	32054	44840								
	662 54	10	168	41684	44840	3156 &							
	663 00		22	SURFACE									
	663 00		22	STONE									
	663 00	198	76	32252	44938			7 71	40 99				
	663 00	257	76	43390	44938	1548 &							
	MARSH		966										
	MARSH	1449											

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	664 00	143		32395	44938			99 26					
	664 00	186		44939	44938	BAL &			521 68				
	MARSH		909										
	MARSH	1363											
	664 36	55		32450	44938								
	664 36	71		45539	44938	601 -							
	MARSH		352										
	MARSH	529											
	664 50	232		32682	44938			114 17					
	664 50	302		48772	44938	3834 -			840 24				
	MARSH		1954										
	MARSH	2931											
	665 00	267		32949	44938			136 55					
	665 00	347		51932	44938	6994 -			1270 47				
	MARSH		1875										
	MARSH	2813											
	665 50	241		33190	44938			152 34					
	665 50	313		53802	44938	8864 -			754 81				
	MARSH		1038										
	MARSH	1557											
	666 00	266	13	33456	44951			107 73					
	666 00	346	13	55165	44951	10214 -			366 03				
	MARSH		678										
	MARSH	1017											
	667 00	123	14	33579	44965			35 93	7 17				
	667 00	160	14	55325	44965	10360 -							
	668 00	90	20	33669	44985			30 61	35				
	668 00	117	20	55442	44985	10457 -							
	669 00	45	156	33714	45141			17 81	10 26				
	669 00	59	156	55501	45141	10360 -							
	670 00	14	308	33728	45449			6 72	73 84				
	670 00	18	308	55519	45449	10070 -							
	671 00		100	E.B.S.									
	671 00		100										
	671 00	100		E.B.S.									
	671 00	130											
	671 00	14	362	33842	45911			87	92 59				
	671 00	18	362	55667	45911	9756 -							
	672 00	23	296	33865	46207			6 68	102 92				
	672 00	30	296	55697	46207	9490 -							
	673 00	10	443	33875	46650			5 66	57 15				
	673 00	13	443	55710	46650	9060 -							

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STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	674 00		958	33875	47608				182 33				
	674 00		958	55710	47608	8102 -							
	675 00		1939	33875	49547				335 17				
	675 00		1939	55710	49547	6163 -							
	676 00		2741	33875	52288				711 68				
	676 00		2741	55710	52288	3422 -							
	676 77		2542	33875	54830				1210 24				
	676 77		2542	55710	54830	880 -							
	677 70	152	393	34027	55223				265 54				
	677 70	198	393	55908	55223	685 -							
	678 50	319		34346	55223			102 49					
	678 50	415		56323	55223	1100 -							
	679 00	1071		35417	55223			241 85					
	679 00	1392		57715	55223	2492 -							
	680 00	252		P.E. LT.									
	680 00	328											
	680 00	1025		36694	55223			336 31					
	680 00	1333		59376	55223	4153 -							
	681 00	415	37	37109	55260			217 18					
	681 00	540	37	59916	55260	4656 -							
	682 00		1742	S.R.									
	682 00		1742	SURFACE STONE									
	682 00	555											
	682 00	722		S.R.									
	682 00	12	472	37676	57474			6 69	19 78				
	682 00	16	472	60654	57474	3180 -							
	683 00		15	SURFACE									
	683 00		15	STONE									
	683 00	61	442	37737	57931				235 08				
	683 00	79	442	60733	57931	2802 -							
	684 00		30	SURFACE									
	684 00		30	STONE									
	684 00	309	7	38046	57968			32 77	3 63				
	684 00	402	7	61135	57968	3167 -							
	685 00		15	SURFACE									
	685 00		15	STONE									
	685 00	528		38574	57983			134 29					
	685 00	686		61821	57983	3838 -							
	686 00	546		39120	57983			150 68					
	686 00	710		62531	57983	4548 -							
	687 00	609		39729	57983			143 96					
	687 00	792		63323	57983	5340 -							

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
60 00	84.02	34.9	03.00	83.02	31.9	85.61	20.6	1385.92	85
61 00	87.01	34.6	03.00	86.01	31.6	88.01	20.6	1388.32	88
62 00	90.19	31.5	03.00	89.12	28.3	90.29	20.6	1390.60	90
63 00	93.60	34.8	02.50	90.92	28.1	92.04	20.6	1392.35	92
64 00	96.81	39.8	02.50	92.13	28.1	93.25	20.6	1393.56	93
65 00	97.85	40.7	02.50	92.81	28.1	93.93	20.6	1394.24	93
66 00	97.43	39.3	02.50	92.95	28.1	94.07	20.6	1394.38	94
67 00	96.79	38.7	02.50	92.55	28.1	93.67	20.6	1393.98	93
68 00	95.81	38.6	02.50	91.61	28.1	92.73	20.6	1393.04	92
69 00	93.47	38.1	03.00	90.14	28.1	91.26	20.6	1391.57	91
70 00	91.76	39.0	03.00	88.13	28.1	89.25	20.6	1389.56	89
71 00	89.83	36.6	02.00	85.58	28.1	86.70	20.6	1387.01	86
72 00	87.79	38.7	02.00	82.49	28.1	83.61	20.6	1383.92	83
73 00	81.90	37.2	03.00	78.87	28.1	79.99	20.6	1380.30	79
74 00	76.63	36.7	03.00	74.40	30.0	76.00	20.6	1376.31	76
75 00	70.26	38.4	03.00	69.19	35.2	72.09	20.6	1372.40	72
76 00	60.23	44.8	02.00	59.38	43.1	68.63	20.6	1368.94	68
77 00	55.02	41.9	02.00			65.67	20.6	1365.98	65
78 00	61.10	29.0	04.00			63.20	20.6	1363.51	63
79 00	60.47	34.8	03.00	59.30	31.3	61.22	20.6	1361.53	61

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
80 00	58.34	34.5	03.00	57.31	31.4	59.74	20.6	1360.05	59
81 00	56.01	34.9	03.00	55.01	31.9	58.66	20.6	1358.97	58
82 00	54.34	36.0	03.00	53.31	32.9	57.46	20.6	1357.77	57
83 00	53.34	32.9	03.00	52.61	30.7	55.66	20.6	1355.97	55
84 00	52.15	32.9	03.00	51.22	30.1	53.21	20.6	1353.52	53
85 00	48.66	35.5	03.00	47.49	32.0	50.12	20.6	1350.43	50
86 00	45.80	33.1	03.00	44.60	29.5	46.39	20.6	1346.70	46
87 00	42.59	33.2	03.00	40.89	28.1	42.01	20.6	1342.32	42
88 00	37.38	32.6	03.00	35.88	28.1	37.00	20.6	1337.31	37
89 00	31.40	31.6	03.00	30.23	28.1	31.35	20.6	1331.66	31
90 00	25.99	34.3	03.00	23.93	28.1	25.05	20.6	1325.36	25
91 00	19.21	34.3	03.00	17.15	28.1	18.27	20.6	1318.58	18
92 00	14.64	36.7	02.00	10.34	28.1	11.46	20.6	1311.77	11
93 00	08.88	38.8	02.00	03.53	28.1	04.65	20.6	1304.96	04
94 00	99.68	37.0	03.00	96.72	28.1	97.84	20.6	1298.15	97
95 06	92.76	37.9	03.00	89.50	28.1	90.62	20.6	1290.93	90
96 00	85.25	34.6	03.00	83.09	28.1	84.21	20.6	1284.52	84
97 00	76.58	36.0	03.00	75.01	31.3	77.40	20.6	1277.71	77
98 00	67.39	38.0	03.00	65.99	33.8	70.59	20.6	1270.90	70
99 00	54.80	39.3	02.00			64.15	20.6	1264.46	64

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
100 00	49.80	38.7	02.00			58.85	20.6	1259.16	58
101 00	45.80	38.4	02.00			54.70	20.6	1255.01	54
101 90	43.21	44.9	02.00	42.51	43.5	51.96	20.6	1252.27	51
102 13	45.00	41.2	00.54	43.51	40.4	51.41	20.6	1251.72	51
103 00	45.73	40.9	03.00	44.13	36.1	49.88	20.6	1250.19	49
104 00	46.92	40.6	03.00	45.32	35.8	49.21	20.6	1249.52	49
105 00	49.06	37.6	03.00	47.13	31.8	49.69	20.6	1250.00	49
106 00	53.74	38.7	03.00	50.21	28.1	51.33	20.6	1251.64	51
107 00	59.41	40.9	02.00	53.01	28.1	54.13	20.6	1254.44	54
108 00	65.79	45.0	01.92	56.97	28.1	58.09	20.6	1258.40	58
109 00	69.89	43.7	02.00	62.09	28.1	63.21	20.6	1263.52	63
109 95	76.17	44.4	02.00	68.02	28.1	69.14	20.6	1269.45	69
111 00	81.79	40.1	02.00	75.79	28.1	76.91	20.6	1277.22	76
112 00	87.21	36.6	03.00	84.38	28.1	85.50	20.6	1285.81	85
113 00	95.94	37.8	03.00	93.31	29.9	94.88	20.6	1295.19	94
114 00	03.12	34.8	03.00	01.92	31.2	04.28	20.6	1304.59	04
115 00	10.79	38.8	03.00	09.79	35.8	13.68	20.6	1313.99	13
116 00	24.70	38.7	02.00	21.00	31.3	22.92	20.6	1323.23	22
117 00	33.42	38.6	03.00	29.92	28.1	31.04	20.6	1331.35	31
118 00	43.56	41.7	02.00	36.76	28.1	37.88	20.6	1338.19	37

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT

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STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
1 00	92.75 38.3	02.00	87.65 28.1	88.77 20.6	1289.08	88.77 20.6	87.64 28.1	03.00	90.04 35.3
2 00	03.30 40.4	02.00	97.15 28.1	98.27 20.6	1298.58	98.27 20.6	97.14 28.1	03.00	00.07 36.9
3 00	11.17 39.4	02.50	06.65 28.1	07.77 20.6	1308.08	07.77 20.6	05.59 32.3	03.00	06.69 35.6
4 00	18.68 35.7	03.00	16.15 28.1	17.27 20.6	1317.58	17.27 20.6	16.14 28.1	03.00	18.30 34.6
4 90	28.03 38.1	03.00	24.70 28.1	25.82 20.6	1326.13	25.82 20.6	24.69 28.1	02.00	30.44 39.6
6 00	37.85 36.2	03.00	35.15 28.1	36.27 20.6	1336.58	36.27 20.6	35.14 28.1	02.00	40.29 38.4
7 00	46.05 32.3	03.00	44.65 28.1	45.77 20.6	1346.08	45.77 20.6	44.64 28.1	02.00	48.29 35.4
8 00	54.18 33.8	03.00	53.11 30.6	55.27 20.6	1355.58	55.27 20.6	53.89 29.1	03.00	55.32 33.4
9 00	62.40 37.8	03.00	61.30 34.5	64.76 20.6	1365.07	64.76 20.6	62.91 31.0	03.00	63.91 34.0
10 00	71.92 35.7	03.00	70.82 32.4	73.58 20.6	1373.89	73.58 20.6	70.52 33.3	03.00	71.69 36.8
11 00	81.14 34.6	03.00	79.51 29.7	81.37 20.6	1381.68	81.37 20.6	79.11 30.9	03.00	80.18 34.1
12 00	87.79 31.7	03.00	86.69 28.4	88.12 20.6	1388.43	88.12 20.6	86.39 29.3	03.00	87.72 33.3
13 00	95.45 36.3	03.00	92.72 28.1	93.84 20.6	1394.15	93.84 20.6	92.81 27.2	03.00	94.08 31.0
14 00	00.56 37.6	03.00	97.40 28.1	98.52 20.6	1398.83	98.52 20.6	97.49 27.2	03.00	98.69 30.8
15 00	05.34 36.7	02.00	01.04 28.1	02.16 20.6	1402.47	02.16 20.6	01.03 28.1	03.00	03.03 34.1
16 00	09.19 39.2	02.00	03.64 28.1	04.76 20.6	1405.07	04.76 20.6	03.63 28.1	03.00	06.46 36.6
17 00	11.16 40.0	02.00	05.21 28.1	06.33 20.6	1406.64	06.33 20.6	05.20 28.1	03.00	08.20 37.1
18 00	11.54 39.7	02.00	05.74 28.1	06.86 20.6	1407.17	06.86 20.6	05.73 28.1	03.00	08.36 36.0
19 00	09.93 37.5	02.00	05.23 28.1	06.35 20.6	1406.66	06.35 20.6	05.70 26.2	03.00	06.83 29.6
20 00	08.29 37.3	02.00	03.69 28.1	04.81 20.6	1405.12	04.81 20.6	03.31 28.6	03.00	04.34 31.7

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
21 00	04.70 35.3	02.00	01.10 28.1	02.22 20.6	1402.53	02.22 20.6	99.99 30.8	03.00	01.16 34.3
22 00	01.09 35.3	02.00	97.49 28.1	98.61 20.6	1398.92	98.61 20.6	95.01 34.9	03.00	96.11 38.2
23 00	97.25 36.5	02.00	93.05 28.1	94.17 20.6	1394.48	94.17 20.6	90.81 34.2	03.00	92.21 38.4
24 00	93.58 37.4	02.00	88.93 28.1	90.05 20.6	1390.36	90.05 20.6	86.99 33.3	03.00	88.69 38.4
25 00	88.65 37.3	03.00	85.59 28.1	86.71 20.6	1387.02	86.71 20.6	83.41 34.0	03.00	84.88 38.4
26 00	85.04 34.2	03.00	83.01 28.1	84.13 20.6	1384.44	84.13 20.6	80.20 35.9	03.00	81.27 39.1
27 00	84.30 37.4	03.00	81.20 28.1	82.32 20.6	1382.63	82.32 20.6	78.59 35.3	03.00	79.62 38.4
28 00	84.44 38.8	02.50	80.16 28.1	81.28 20.6	1381.59	81.28 20.6	78.42 32.7	03.00	79.52 36.0
29 00	83.56 37.6	02.50	79.72 28.0	81.01 20.6	1381.32	81.01 20.6	78.01 33.1	03.00	79.08 36.3
30 00	83.31 38.2	02.00	79.41 30.4	81.50 20.6	1381.81	81.50 20.6		03.00	77.90 31.4
31 00	82.47 39.0	02.00	79.02 32.1	82.77 20.6	1383.08	82.77 20.6		02.00	77.07 32.0
32 00	82.46 36.4	03.00	81.39 33.2	84.42 20.6	1384.73	84.42 20.6		02.00	79.07 31.3
33 00	86.02 31.3	03.00	84.95 28.1	86.07 20.6	1386.38	86.07 20.6		03.00	83.57 28.1
34 00	90.28 37.0	02.00	85.83 28.1	86.95 20.6	1387.26	86.95 20.6	85.82 28.1	03.00	87.25 32.4
35 00	90.92 39.6	02.00	85.17 28.1	86.29 20.6	1386.60	86.29 20.6	85.16 28.1	03.00	88.39 37.8
36 00	89.31 40.0	01.88	82.98 28.1	84.10 20.6	1384.41	84.10 20.6	82.97 28.1	03.00	85.73 36.4
37 00	85.23 40.0	01.99	79.25 28.1	80.37 20.6	1380.68	80.37 20.6	79.24 28.1	03.00	81.74 35.6
38 00	79.36 37.3	02.00	74.76 28.1	75.88 20.6	1376.19	75.88 20.6	74.75 28.1	03.00	76.42 33.1
39 00	74.45 37.8	03.00	71.22 28.1	72.34 20.6	1372.65	72.34 20.6		03.00	70.08 27.4
40 00	68.48 35.2	03.00	67.38 31.9	70.40 20.6	1370.71	70.40 20.6		02.00	66.40 28.6

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
41 00	67.43 36.6	03.00	66.40 33.5	70.06 20.6	1370.37	70.06 20.6		02.00	62.81 35.1
41 50	67.66 37.3	03.00	66.59 34.1	70.49 20.6	1370.80	70.49 20.6		02.00	65.49 30.6
42 50	71.43 36.0	03.00	70.30 32.6	72.55 20.6	1372.86	72.55 20.6	69.49 32.0	03.00	70.59 35.3
43 00	74.92 33.7	03.00	73.06 28.1	74.18 20.6	1374.49	74.18 20.6	72.41 29.4	03.00	73.48 32.6
44 00	81.54 40.2	03.00	77.51 28.1	78.63 20.6	1378.94	78.63 20.6	77.50 28.1	03.00	79.63 34.5
45 00	86.20 39.7	03.00	82.34 28.1	83.46 20.6	1383.77	83.46 20.6	82.33 28.1	03.00	85.06 36.3
46 00	90.45 41.2	03.00	86.09 28.1	87.21 20.6	1387.52	87.21 20.6	86.08 28.1	03.00	89.24 37.6
47 00	93.73 38.1	02.00	88.73 28.1	89.85 20.6	1390.16	89.85 20.6	88.72 28.1	03.00	92.48 39.4
48 00	95.70 39.0	02.00	90.25 28.1	91.37 20.6	1391.68	91.37 20.6	90.24 28.1	03.00	94.14 39.8
49 00	96.01 38.8	02.00	90.66 28.1	91.78 20.6	1392.09	91.78 20.6	90.65 28.1	03.00	93.31 36.1
50 00	93.34 34.9	02.00	89.94 28.1	91.06 20.6	1391.37	91.06 20.6	89.93 28.1	03.00	90.83 30.8
51 00	90.61 34.8	03.00	88.38 28.1	89.50 20.6	1389.81	89.50 20.6		04.00	87.87 27.1
52 00	87.57 31.5	03.00	86.50 28.3	87.89 20.6	1388.20	87.89 20.6		04.00	84.74 33.2
53 00	85.55 32.5	03.00	84.52 29.4	86.28 20.6	1386.59	86.28 20.6		04.00	83.58 31.4
54 00	86.35 36.5	03.00	83.55 28.1	84.67 20.6	1384.98	84.67 20.6	83.00 29.1	03.00	83.97 32.0
55 18	82.21 34.4	03.00	81.11 31.1	82.98 20.6	1383.29	82.98 20.6		04.00	80.80 29.3
56 00	81.42 34.2	03.00	80.42 31.2	82.32 20.6	1382.63	82.32 20.6		03.00	78.06 33.4
57 00	81.25 34.3	03.00	80.22 31.2	82.12 20.6	1382.43	82.12 20.6		04.00	79.74 30.1
58 00	82.28 35.9	03.00	80.71 31.2	82.61 20.6	1382.92	82.61 20.6		03.00	79.68 29.4
59 00	82.79 34.3	03.00	81.82 31.4	83.77 20.6	1384.08	83.77 20.6	79.99 33.8	03.00	80.96 36.7

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STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	49	84

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	719 00	58	18	46540	72574			52 27	19 91				
	719 00	75	18	72179	72574	395 &							
	719 31	133	23	46673	72597			48 35	11 64				
	719 31	173	23	72352	72597	245 &							
	720 00	103	245	46776	72842			55 54	6 63				
	720 00	134	245	72486	72842	356 &							
	721 00		615	46776	73457				125 87				
	721 00		615	72486	73457	971 &							
	722 00		15	SURFACE									
	722 00		15	STONE									
	722 00		675	46776	74147				206 31				
	722 00		675	72486	74147	1661 &							
	723 00	7	414	46783	74561				158 19				
	723 00	9	414	72495	74561	2066 &							
	724 00	93	152	46876	74713			4 05	65 11				
	724 00	121	152	72616	74713	2097 &							
	725 00	158	83	47034	74796			46 39	16 74				
	725 00	205	83	72821	74796	1975 &							
	726 00	95	110	47129	74906			38 88	27 93				
	726 00	124	110	72945	74906	1961 &							
	727 00	24	240	47153	75146			12 24	31 69				
	727 00	31	240	72976	75146	2170 &							
	728 00		10										
	728 00		10	P.E. RT.									
	728 00	15											
	728 00	20		P.E. RT.									
	728 00	13	347	47181	75503			90	97 85				
	728 00	17	347	73013	75503	2490 &							
	729 00	53	235	47234	75738			6 29	89 56				
	729 00	69	235	73082	75738	2656 &							
	730 00		60	SURFACE									
	730 00		60	STONE									
	730 00	192	69	47426	75867			22 49	37 46				
	730 00	250	69	73332	75867	2535 &							
	731 00	267		47693	75867			81 45					
	731 00	347		73679	75867	2188 &							
	732 00	174		47867	75867			62 51					
	732 00	226		73905	75867	1962 &							
	733 00	94	1	47961	75868			31 58					
	733 00	122	1	74027	75868	1841 &							
	734 00	101	2	48062	75870			19 06	49				
	734 00	131	2	74158	75870	1712 &							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	735 00	207	1	48269	75871			35 43	37				
	735 00	269	1	74427	75871	1444 &							
	736 00		10										
	736 00		10	S.R.									
	736 00	577		S.R.									
	736 00	750											
	736 00	419	20	49265	75901			76 31					
	736 00	545	20	75722	75901	179 &							
	737 50	110	21	49375	75922			74 41	7 10				
	737 50	143	21	75865	75922	57 &							
	738 00	59	20	49434	75942			44 72	15 26				
	738 00	77	20	75942	75942	BAL &							
	738 71												
	738 71					BAL &							
	MARSH ROCK					7772 &							

STA	LT INT	SLOPE	LT F LINE		LT SHLDR	R/L	RT SHLDR	RT F LINE		SLOPE	RT INT	
720 00	29.27	33.9	03.00		33.70	20.6	1334.01	33.70	20.6	32.57	28.1	03.00	33.97	32.3
721 00	31.78	30.1	03.00	31.11	28.1	32.23	20.6	1332.54	32.23	20.6	31.10	28.1	02.00	37.30	40.5
722 00	31.05	34.6	03.00	28.89	28.1	30.01	20.6	1330.32	30.01	20.6	28.88	28.1	02.00	35.93	42.2
723 00	27.87	34.0	03.00	25.91	28.1	27.03	20.6	1327.34	27.03	20.6	25.90	28.1	02.00	33.00	42.3
724 00	24.41	34.8	03.00	22.18	28.1	23.30	20.6	1323.61	23.30	20.6	22.17	28.1	03.00	26.30	40.5
725 00	17.87	24.7	04.00			18.90	20.6	1319.21	18.90	20.6	17.77	28.1	03.00	20.97	37.7
726 00	12.99	26.3	04.00			14.42	20.6	1314.73	14.42	20.6	13.29	28.1	02.50	17.37	38.3
727 00	08.20	27.5	04.00			09.93	20.6	1310.24	09.93	20.6	08.80	28.1	02.00	13.20	36.9
728 00	05.75	32.4	03.00	04.32	28.1	05.44	20.6	1305.75	05.44	20.6	04.31	28.1	02.00	11.46	42.4
729 00	01.16	32.1	03.00	99.83	28.1	00.95	20.6	1301.26	00.95	20.6	99.82	28.1	02.00	07.32	43.1
730 00	96.30	30.6	03.00	95.47	28.1	96.59	20.6	1296.90	96.59	20.6	95.46	28.1	03.00	99.66	40.7
731 00	90.73	29.4	04.00			92.93	20.6	1293.24	92.93	20.6			04.00	91.70	25.5
732 00	87.42	28.4	03.00			90.02	20.6	1290.33	90.02	20.6			04.00	89.02	24.6
733 00	86.32	26.7	04.00			87.85	20.6	1288.16	87.85	20.6			04.00	86.92	24.3
734 00	85.17	25.6	04.00			86.42	20.6	1286.73	86.42	20.6	85.29	28.1	03.00	85.52	28.8
735 00	83.57	29.3	04.00			85.75	20.6	1286.06	85.75	20.6	84.62	28.1	03.00	84.82	28.7
736 00	82.89	29.0	03.00			85.69	20.6	1286.00	85.69	20.6			04.00	83.74	28.4
737 50	83.43	37.7	03.00	82.30	34.3	85.69	20.6	1286.00	85.69	20.6			04.00	83.06	31.1
738 00	83.47	39.0	03.00	82.10	34.9	85.69	20.6	1286.00	85.69	20.6			04.00	82.56	33.1
738 71	83.10	39.5	03.00	81.83	35.7	85.69	20.6	1286.00	85.69	20.6			03.00	81.56	33.0

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4	5012(6)	48	89

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	688 00	41		P.E. P.T.									
	688 00	53											
	688 00	655		40425	57983			185 03					
	688 00	852		64228	57983	6245 -							
	689 00		16	SURFACE									
	689 00		16	STONE									
	689 00	739		41164	57999			168 66					
	689 00	961		65189	57999	7190 -							
	690 00	632	14	41796	58013			230 47					
	690 00	822	14	66011	58013	7998 -							
	691 00	20		P.E. L.T.									
	691 00	26											
	691 00	205	334	42021	58347			110 81	7 63				
	691 00	267	334	66304	58347	7957 -							
	692 00		879	42021	59226				172 85				
	692 00		879	66304	59226	7078 -							
	693 00		1126	42021	60352				301 56				
	693 00		1126	66304	60352	5952 -							
	694 00		45	SURFACE									
	694 00		45	STONE									
	694 00		1161	42021	61558				306 60				
	694 00		1161	66304	61558	4746 -							
	695 00		100	SURFACE									
	695 00		100	STONE									
	695 00		947	42021	62605				320 49				
	695 00		947	66304	62605	3699 -							
	696 00		817	42021	63422				190 68				
	696 00		817	66304	63422	2882 -							
	697 00		959	42021	64381				250 53				
	697 00		959	66304	64381	1923 -							
	698 00		114	SURFACE STONE									
	698 00		114	P.E. P.T.									
	698 00	15		P.E. P.T.									
	698 00	20											
	698 00		1213	42036	65708				267 07				
	698 00		1213	66324	65708	616 -							
	699 00		59	SURFACE									
	699 00		59	STONE									
	699 00	124	718	42160	66485				387 91				
	699 00	161	718	66485	66485	BAL &							
	700 00		59	SURFACE									
	700 00		59	STONE									

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STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	700 00	194		42354	66544			66 74					
	700 00	252		66737	66544	BAL &							
	700 46			42354	66544								
	700 46			66737	66544	193 -							
	700 46	350		42704	66544			160 89					
	700 46	455		67192	66544	648 -							
	701 00		59	SURFACE									
	701 00		59	STONE									
	701 00	722		43426	66603			188 90					
	701 00	939		68131	66603	1528 -							
	702 00		59	SURFACE									
	702 00		59	STONE									
	702 00	370	24	43796	66686			200 93					
	702 00	481	24	68612	66686	1926 -							
	702 72	73	26	43869	66712			76 54	18 29				
	702 72	95	26	68707	66712	1995 -							
	703 00		59	SURFACE									
	703 00		59	STONE									
	703 00	237	77	44106	66848			65 08	32 01				
	703 00	308	77	69015	66848	2167 -							
	704 00		59	SURFACE									
	704 00		59	STONE									
	704 00	20											
	704 00	26		P.E. L.T.									
	704 00	177	22	44303	66929			63 09	9 54				
	704 00	230	22	69271	66929	2342 -							
	705 00		118	SURFACE									
	705 00		118	STONE									
	705 00	61	95	44364	67142			32 58	2 57				
	705 00	79	95	69350	67142	2208 -							
	706 00		289	S.R.									
	706 00		289										
	706 00		643	44364	68074			23	48 80				
	706 00		643	69350	68074	1276 -							
	707 00		54										
	707 00		54	P.E. L.T.									
	707 00	15											
	707 00	20		P.E. L.T.									
	707 00		1246	44379	69374				298 64				
	707 00		1246	69370	69374	BAL &							
	707 91		124	44379	69498								
	707 91		124	69370	69498	128 &							

STATE HIGHWAY COMMISSION OF WISCONSIN

EARTHWORK FINALS AND ESTIMATES

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS 4			

JOB IDENT.	STATION	FILL VOLUME	CUT VOLUME	ACCUM. FILL	ACCUM. CUT	ACCUM. NET VOLUME	GRASS AREA	FILL AREA	CUT AREA	LEFT SLOPE STAKE Elevation	LEFT SLOPE STAKE Dist.	RIGHT SLOPE STAKE Elevation	RIGHT SLOPE STAKE Dist.
	708 00		118	SURFACE									
	708 00		118	STONE									
	708 00	4	1120	44383	70736				441 11				
	708 00	5	1120	69375	70736	1361 &							
	709 00		59	SURFACE									
	709 00		59	STONE									
	709 00	10	463	44393	71258			2 09	163 69				
	709 00	13	463	69388	71258	1870 &							
	710 00		59	SURFACE									
	710 00		59	STONE									
	710 00	49	314	44442	71631			3 11	86 24				
	710 00	64	314	69452	71631	2179 &							
	711 00		59	SURFACE									
	711 00		59	STONE									
	711 00	179	229	44621	71919			23 18	83 31				
	711 00	233	229	69685	71919	2234 &							
	712 00		59	SURFACE									
	712 00		59	STONE									
	712 00	306	84	44927	72062			73 67	40 22				
	712 00	398	84	70083	72062	1979 &							
	713 00		59	SURFACE									
	713 00		59	STONE									
	713 00	317	38	45244	72159			91 38	4 94				
	713 00	412	38	70495	72159	1664 &							
	714 00		59	SURFACE									
	714 00		59	STONE									
	714 00	274	96	45518	72314			79 84	15 59				
	714 00	356	96	70851	72314	1463 &							
	715 00		59	SURFACE									
	715 00		59	STONE									
	715 00	241	87	45759	72460			68 24	36 16				
	715 00	313	87	71164	72460	1296 &							
	716 00	210	31	45969	72491			62 12	11 00				
	716 00	273	31	71437	72491	1054 &							
	717 00	221	16	46190	72507			51 28	5 86				
	717 00	287	16	71724	72507	783 &							
	718 00	223	42	46413	72549			67 99	3 04				
	718 00	290	42	72014	72549	535 &							
	719 00		7	P.E. L.T.									
	719 00		7	P.E. P.T.									
	719 00	69		P.E. L.T.									
	719 00	90		P.E. P.T.									

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
119 00	49.83	43.1	02.00	42.33	28.1	43.45	20.6	1343.76	43.45	20.6	42.32	28.1	02.00	48.17	39.8
120 00	54.46	43.8	02.00	46.61	28.1	47.73	20.6	1348.04	47.73	20.6	46.60	28.1	02.00	53.75	42.4
120 50	56.83	45.0	01.98	48.28	28.1	49.40	20.6	1349.71	49.40	20.6	48.27	28.1	02.00	55.82	43.2
121 50	59.72	45.0	01.86	50.65	28.1	51.77	20.6	1352.08	51.77	20.6	50.64	28.1	02.00	57.84	42.5
122 00	60.16	45.0	01.92	51.35	28.1	52.47	20.6	1352.78	52.47	20.6	51.34	28.1	02.00	58.84	43.1
123 00	60.66	45.0	01.91	51.80	28.1	52.92	20.6	1353.23	52.92	20.6	51.79	28.1	02.00	58.29	41.1
124 00	58.27	42.7	02.00	50.97	28.1	52.09	20.6	1352.40	52.09	20.6	50.96	28.1	02.00	56.06	38.3
125 00	53.91	38.2	02.00	48.86	28.1	49.98	20.6	1350.29	49.98	20.6	48.85	28.1	03.00	52.15	38.0
126 00	47.54	34.3	03.00	45.48	28.1	46.60	20.6	1346.91	46.60	20.6	43.98	30.9	03.00	45.11	34.3
127 00	40.21	38.0	03.00	38.51	32.9	41.93	20.6	1342.24	41.93	20.6	36.98	34.5	03.00	38.31	38.5
128 00	34.49	33.6	03.00	33.49	30.6	35.99	20.6	1336.30	35.99	20.6	30.59	35.4	03.00	31.62	38.5
129 00	29.65	34.1	03.00	27.65	28.1	28.77	20.6	1329.08	28.77	20.6	25.42	31.3	03.00	26.72	35.2
130 00	22.91	35.3	02.00	19.31	28.1	20.43	20.6	1320.74	20.43	20.6	18.70	29.3	03.00	19.90	32.9
131 00	15.41	37.3	02.00	10.81	28.1	11.93	20.6	1312.24	11.93	20.6	10.80	28.1	03.00	12.73	33.9
132 00	07.21	37.9	02.00	02.31	28.1	03.43	20.6	1303.74	03.43	20.6	02.30	28.1	03.00	05.70	38.3
133 00	95.93	31.8	03.00	94.70	28.1	95.82	20.6	1296.13	95.82	20.6	94.69	28.1	03.00	96.55	33.7
134 00	84.29	40.4	02.00	83.19	38.2	89.99	20.6	1290.30	89.99	20.6			02.00	82.44	35.7
135 00	76.83	47.4	02.00	75.68	45.1	85.93	20.6	1286.24	85.93	20.6			02.00	76.03	40.4
136 36	70.07	55.2	02.00	69.02	53.1	83.27	20.6	1283.58	83.27	20.6			02.00	69.32	48.5
136 73	67.56	51.7	02.00			83.11	20.6	1283.42	83.11	20.6			02.00	69.86	47.1

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
137 46	70.47	57.5	02.00	68.77	54.1	83.52	20.6	1283.83	83.52	20.6			02.00	73.22	41.2
138 00	74.78	47.3	02.00	73.93	45.6	84.43	20.6	1284.74	84.43	20.6			02.00	75.13	39.2
139 00	85.16	37.3	03.00	84.13	34.2	87.49	20.6	1287.80	87.49	20.6			03.00	83.53	32.5
140 00	95.70	37.1	02.00	91.20	28.1	92.32	20.6	1292.63	92.32	20.6	91.19	28.1	03.00	93.45	34.9
141 00	05.91	44.3	02.00	97.81	28.1	98.93	20.6	1299.24	98.93	20.6	97.80	28.1	02.00	03.10	38.7
142 00	12.79	43.1	02.00	05.29	28.1	06.41	20.6	1306.72	06.41	20.6	05.28	28.1	02.00	11.93	41.4
143 00	19.34	42.0	02.00	12.39	28.1	13.51	20.6	1313.82	13.51	20.6	12.38	28.1	02.00	19.63	42.6
144 00	24.39	38.9	02.00	18.99	28.1	20.11	20.6	1320.42	20.11	20.6	18.98	28.1	02.00	26.68	43.5
145 00	27.92	36.6	03.00	25.09	28.1	26.21	20.6	1326.52	26.21	20.6	25.08	28.1	02.00	31.83	41.6
146 00	29.01	35.2	03.00	28.01	32.2	31.81	20.6	1332.12	31.81	20.6	30.68	28.1	02.00	36.03	38.8
146 75	31.78	33.4	03.00	31.78	32.8	37.68	20.6	1335.99	35.68	20.6	34.55	28.1	03.00	37.38	36.6
147 42	36.61	36.8	03.00	35.64	33.9	38.90	20.6	1339.21	38.90	20.6	37.77	28.1	03.00	38.54	30.4
148 00	39.57	36.2	03.00	38.54	33.1	41.53	20.6	1341.84	41.53	20.6	40.40	28.1	03.00	43.23	36.6
149 00	46.08	31.6	03.00	44.91	28.1	46.03	20.6	1346.34	46.03	20.6	44.90	28.1	03.00	47.20	35.0
150 00	50.51	31.4	03.00	49.41	28.1	50.53	20.6	1350.84	50.53	20.6	49.40	28.1	03.00	51.86	35.5
151 00	55.38	32.5	03.00	53.91	28.1	55.03	20.6	1355.34	55.03	20.6	53.90	28.1	03.00	56.50	35.9
152 00	60.77	35.2	03.00	58.41	28.1	59.53	20.6	1359.84	59.53	20.6	58.40	28.1	03.00	62.26	39.7
153 00	64.77	35.2	03.00	62.41	28.1	63.53	20.6	1363.84	63.53	20.6	62.40	28.1	03.00	65.93	38.7
154 00	67.31	33.8	03.00	65.41	28.1	66.53	20.6	1366.84	66.53	20.6	65.40	28.1	02.00	69.40	36.1
155 00	69.67	34.9	03.00	67.41	28.1	68.53	20.6	1368.84	68.53	20.6	67.40	28.1	02.00	70.95	35.2

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
156 00	70.08	33.1	03.00	68.41	28.1	69.53	20.6	1369.84	69.53	20.6	68.40	28.1	02.00	71.75	34.8
157 00	69.74	32.1	03.00	68.41	28.1	69.53	20.6	1369.84	69.53	20.6	68.40	28.1	02.00	70.35	32.0
158 00	68.18	30.4	03.00	67.41	28.1	68.53	20.6	1368.84	68.53	20.6	67.40	28.1	03.00	69.20	33.5
159 00	67.31	33.8	03.00	65.41	28.1	66.53	20.6	1366.84	66.53	20.6	65.40	28.1	03.00	67.10	33.2
160 00	64.34	33.9	03.00	62.41	28.1	63.53	20.6	1363.84	63.53	20.6	62.40	28.1	03.00	64.03	33.0
161 00	60.54	34.5	03.00	58.41	28.1	59.53	20.6	1359.84	59.53	20.6	58.40	28.1	03.00	59.80	32.3
162 00	56.31	36.8	03.00	53.41	28.1	54.53	20.6	1354.84	54.53	20.6	53.40	28.1	03.00	55.33	33.9
163 00	51.16	35.6	02.00	47.41	28.1	48.53	20.6	1348.84	48.53	20.6	47.40	28.1	03.00	50.50	37.4
164 00	44.31	35.9	02.00	40.41	28.1	41.53	20.6	1341.84	41.53	20.6	40.40	28.1	03.00	43.53	37.5
165 00	33.44	32.5	03.00	32.51	29.7	34.03	20.6	1334.34	34.03	20.6	32.90	28.1	03.00	34.20	32.0
166 00	26.88	32.5	03.00	25.41	28.1	26.53	20.6	1326.84	26.53	20.6	25.40	28.1	03.00	26.97	32.8
167 00	20.55	36.0	03.00	17.92	28.1	19.04	20.6	1319.35	19.04	20.6	17.91	28.1	03.00	20.64	36.3
168 00	13.46	35.0	03.00	11.16	28.1	12.28	20.6	1312.59	12.28	20.6	11.15	28.1	03.00	13.61	35.5
169 00	04.72	39.7	03.00	03.09	34.8	06.65	20.6	1306.96	06.65	20.6	04.88	29.4	03.00	05.91	32.5
170 00	00.11	28.7	04.00			02.14	20.6	1302.45	02.14	20.6	00.81	28.1	03.00	01.81	31.1
171 00	96.45	29.9	04.00			98.78	20.6	1299.09	98.78	20.6	97.65	28.1	03.00	99.81	34.6
172 00	95.27	25.7	04.00			96.55	20.6	1296.86	96.55	20.6	95.42	28.1	02.00	99.27	35.8
173 00	94.72	23.5	04.00			95.45	20.6	1295.76	95.45	20.6	94.32	28.1	02.00	00.97	41.4
174 00	92.25	30.2	04.00			94.65	20.6	1294.96	94.65	20.6	93.52	28.1	02.00	00.02	41.1
175 00	92.31	24.6	04.00			93.31	20.6	1293.62	93.31	20.6	92.18	28.1	02.00	98.63	41.0

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STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
176 00	89.54 37.3	02.00	88.49 35.2	91.39 20.6	1291.70	91.39 20.6	90.26 28.1	02.25	96.07 41.2
177 00	88.28 29.6	03.00	87.78 28.1	88.90 20.6	1289.21	88.90 20.6	87.77 28.1	02.00	93.32 39.2
178 00	86.44 33.3	03.00	84.71 28.1	85.83 20.6	1286.14	85.83 20.6	84.70 28.1	02.00	90.50 39.7
179 00	82.82 33.4	03.00	81.06 28.1	82.18 20.6	1282.49	82.18 20.6	81.05 28.1	02.00	86.60 39.2
180 00	79.53 35.9	03.00	76.93 28.1	78.05 20.6	1278.36	78.05 20.6	76.92 28.1	02.00	82.07 38.4
181 00	73.09 32.3	03.00	72.12 29.4	73.88 20.6	1274.19	73.88 20.6	72.75 28.1	03.00	76.08 38.1
182 00	67.78 34.8	03.00	66.51 31.0	69.71 20.6	1270.02	69.71 20.6	69.21 25.6	03.00	70.44 29.3
183 00	60.26 39.5	03.00	59.39 36.9	65.54 20.6	1265.85	65.54 20.6	63.69 31.0	03.00	64.96 34.8
184 00	56.35 39.8	03.00	55.32 36.7	61.37 20.6	1261.68	61.37 20.6	59.79 29.9	03.00	62.15 37.0
185 00	52.60 38.8	03.00	51.60 35.8	57.20 20.6	1257.51	57.20 20.6	55.30 29.8	03.00	56.80 34.3
186 00	49.58 37.0	03.00	48.48 33.7	53.03 20.6	1253.34	53.03 20.6	51.10 29.9	03.00	52.00 32.6
187 00	46.80 39.3	03.00	45.30 34.8	48.86 20.6	1249.17	48.86 20.6	46.69 30.6	03.00	48.49 36.0
188 00	40.51 38.1	03.00	39.48 35.0	44.68 20.6	1244.99	44.68 20.6	42.51 30.6	03.00	44.71 37.2
189 00	36.17 40.2	03.00	34.90 36.4	40.80 20.6	1241.11	40.80 20.6	37.00 32.2	03.00	38.43 36.5
190 00	30.95 44.3	03.00	29.82 40.9	37.97 20.6	1238.28	37.97 20.6	31.52 37.5	03.00	32.42 40.2
191 00	25.07 53.2	03.00	23.80 49.4	36.20 20.6	1236.51	36.20 20.6	27.00 43.0	03.00	28.13 46.4
192 00	34.57 36.7	02.00	32.62 32.8	35.51 20.6	1235.82	35.51 20.6		02.00	24.61 42.4
192 64	40.35 41.2	02.24	34.51 28.1	35.63 20.6	1235.94	35.63 20.6		02.00	32.78 26.3
193 42	39.29 41.2	03.25	35.25 28.1	36.37 20.6	1236.68	36.37 20.6	35.24 28.1	03.00	36.21 31.0
194 00	38.58 35.2	03.00	36.22 28.1	37.34 20.6	1237.65	37.34 20.6	36.21 28.1	03.00	39.57 38.2

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
195 00	39.91 37.7	03.00	38.71 28.1	39.83 20.6	1240.14	39.83 20.6		04.00	37.28 30.8
196 00	44.75 34.6	02.00	41.50 28.1	42.62 20.6	1242.93	42.62 20.6	41.29 28.1	03.00	41.86 29.8
197 00	47.73 35.8	02.00	43.88 28.1	45.00 20.6	1245.31	45.00 20.6	43.87 28.1	03.00	44.94 31.3
198 00	51.61 40.0	02.00	45.66 28.1	46.78 20.6	1247.09	46.78 20.6	45.65 28.1	03.00	47.95 35.0
199 00	52.65 39.7	02.00	46.85 28.1	47.97 20.6	1248.28	47.97 20.6	46.84 28.1	03.00	48.67 33.6
200 00	51.95 36.3	02.00	47.85 28.1	48.97 20.6	1249.28	48.97 20.6		10.00	47.38 32.7

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
327 78	20.51 30.3	03.00	19.78 28.1	20.90 20.6	1221.21	20.90 20.6	19.77 28.1	03.00	21.57 33.5
328 00	19.44 26.6	04.00		20.94 20.6	1221.25	20.94 20.6	19.81 28.1	03.00	22.27 35.5
329 00	19.04 29.1	04.00		21.16 20.6	1221.47	21.16 20.6	18.91 32.6	03.00	21.24 39.6
330 00	16.32 35.9	03.00		21.41 20.6	1221.72	21.41 20.6	17.58 37.1	03.00	18.28 40.1
331 00	17.12 34.4	03.00		21.72 20.6	1222.03	21.72 20.6	17.22 37.6	03.00	18.39 41.1
332 00	17.71 33.8	03.00		22.11 20.6	1222.42	22.11 20.6	18.61 37.6	03.00	19.74 41.0
333 00	19.68 32.2	04.00		22.58 20.6	1222.89	22.58 20.6	19.73 35.0	03.00	20.36 36.9
334 00	21.78 25.8	04.00		23.08 20.6	1223.39	23.08 20.6	20.10 35.5	02.00	22.70 40.7
335 00	20.93 31.2	04.00		23.58 20.6	1223.89	23.58 20.6	20.40 36.3	03.00	21.87 40.7
336 00	21.08 32.6	04.00		24.08 20.6	1224.39	24.08 20.6	20.80 36.7	03.00	21.73 39.5
337 00	21.55 32.7	04.00		24.58 20.6	1224.89	24.58 20.6	21.50 35.9	04.00	22.75 40.9
338 00	21.58 31.1	03.00		25.08 20.6	1225.39	25.08 20.6	22.00 35.9	04.00	23.20 40.7
339 00	22.20 31.2	03.00		25.73 20.6	1226.04	25.73 20.6	22.50 36.5	04.00	23.85 41.2
340 00	23.55 30.7	03.00		26.91 20.6	1227.22	26.91 20.6	23.91 35.6	04.00	24.74 38.9
341 00	25.30 30.6	03.00		28.63 20.6	1228.94	28.63 20.6	25.30 36.9	04.00	26.48 41.2
342 00	27.34 41.0	03.00	26.31 37.9	30.90 20.6	1231.21	30.90 20.6	29.30 30.0	04.00	30.03 32.9
343 00	30.98 38.1	03.00	30.01 35.2	33.70 20.6	1234.01	33.70 20.6	32.20 29.6	04.00	33.78 35.9
344 00	34.06 39.5	03.00	32.99 36.3	37.05 20.6	1237.36	37.05 20.6	35.92 28.1	04.00	38.60 38.6
345 00	38.22 37.8	03.00	37.22 34.8	40.78 20.6	1241.09	40.78 20.6	39.65 28.1	03.00	41.58 33.9
346 00	41.87 37.9	03.00	40.90 35.0	44.53 20.6	1244.84	44.53 20.6	43.40 28.1	02.50	47.28 37.8

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STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
347 00	45.85 37.6	03.00	44.82 34.5	48.28 20.6	1248.59	48.28 20.6	47.15 28.1	02.00	51.60 37.0
348 00	50.74 35.3	03.00	49.81 32.5	52.03 20.6	1252.34	52.03 20.6	50.90 28.1	02.50	55.18 38.8
349 00	55.08 33.9	03.00	54.01 30.7	55.78 20.6	1256.09	55.78 20.6	54.65 28.1	02.50	59.49 40.2
350 00	58.51 34.7	03.00	57.51 31.7	59.53 20.6	1259.84	59.53 20.6	58.40 28.1	02.50	63.28 40.3
351 00	62.81 32.5	03.00	61.81 29.5	63.28 20.6	1263.59	63.28 20.6	62.15 28.1	02.00	67.75 39.3
352 00	66.98 31.3	03.00	65.91 28.1	67.03 20.6	1267.34	67.03 20.6	65.90 28.1	02.00	71.25 38.8
353 00	70.63 31.0	03.00	69.66 28.1	70.78 20.6	1271.09	70.78 20.6	69.65 28.1	02.50	74.49 40.2
354 00	72.55 28.5	04.00		74.53 20.6	1274.84	74.53 20.6	73.40 28.1	03.00	77.36 40.0
355 00	74.72 31.3	03.00		78.28 20.6	1278.59	78.28 20.6	77.15 28.1	04.00	79.35 36.9
356 00	78.47 31.3	03.00		82.03 20.6	1282.34	82.03 20.6	80.90 28.1	04.00	81.95 32.3
357 00	80.74 30.7	02.00		85.79 20.6	1286.10	85.79 20.6	83.69 32.0	04.00	84.74 36.2
358 00	84.09 31.5	02.00		89.54 20.6	1289.85	89.54 20.6	88.41 28.1	03.00	90.54 34.5
359 00	89.72 38.4	03.00	88.79 35.6	93.29 20.6	1293.60	93.29 20.6	92.16 28.1	03.00	95.82 39.1
360 00	94.96 36.1	03.00	93.99 33.2	97.02 20.6	1297.33	97.02 20.6	95.89 28.1	03.00	99.75 39.7
361 00	99.30 35.1	03.00	98.30 32.1	00.42 20.6	1300.73	00.42 20.6	99.29 28.1	03.00	02.72 38.4
362 00	03.97 33.2	03.00	02.27 28.1	03.39 20.6	1303.70	03.39 20.6	02.26 28.1	03.00	05.86 38.9
363 00	05.96 31.6	03.00	04.79 28.1	05.91 20.6	1306.22	05.91 20.6	04.78 28.1	03.00	07.14 35.2
364 00	08.42 32.7	03.00	06.89 28.1	08.01 20.6	1308.32	08.01 20.6	06.88 28.1	03.00	08.68 33.5
365 00	09.11 33.5	03.00	08.01 30.2	09.66 20.6	1309.97	09.66 20.6	08.41 28.6	03.00	09.54 32.0
366 00	10.86 31.4	03.00	09.76 28.1	10.88 20.6	1311.19	10.88 20.6	09.50 29.1	03.00	10.57 32.3

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
367 00	12.17 32.9	03.00	10.57 28.1	11.69 20.6	1312.00	11.69 20.6	09.79 31.2	03.00	11.22 35.5
368 00	12.60 32.1	03.00	11.27 28.1	12.39 20.6	1312.70	12.39 20.6	10.39 31.6	03.00	11.39 34.6
369 00	13.90 33.9	03.00	11.97 28.1	13.09 20.6	1313.40	13.09 20.6	10.79 32.8	03.00	12.42 37.7
370 00	13.96 32.0	03.00	12.66 28.1	13.78 20.6	1314.09	13.78 20.6	11.20 33.9	03.00	12.47 37.7
371 00	14.14 32.2	03.00	13.11 29.1	14.48 20.6	1314.79	14.48 20.6	11.52 33.0	03.00	12.65 36.4
372 00	14.78 32.7	03.00	13.71 29.5	15.18 20.6	1315.49	15.18 20.6	13.00 32.3	03.00	14.20 35.9
373 00	17.29 35.7	03.00	14.76 28.1	15.88 20.6	1316.19	15.88 20.6	14.75 28.1	03.00	16.35 32.9
374 00	19.45 38.1	02.50	15.45 28.1	16.57 20.6	1316.88	16.57 20.6	15.44 28.1	03.00	17.47 34.2
375 00	20.83 39.8	02.50	16.15 28.1	17.27 20.6	1317.58	17.27 20.6	16.14 28.1	03.00	18.27 34.5
376 00	23.75 41.2	02.00	16.85 28.1	17.97 20.6	1318.28	17.97 20.6	16.84 28.1	03.00	19.87 37.2
377 00	24.00 41.0	02.00	17.55 28.1	18.67 20.6	1318.98	18.67 20.6	17.54 28.1	03.00	20.57 37.2
378 00	24.64 40.9	02.00	18.24 28.1	19.36 20.6	1319.67	19.36 20.6	18.23 28.1	03.00	20.66 35.4
379 00	24.39 39.0	02.00	18.94 28.1	20.06 20.6	1320.37	20.06 20.6	18.93 28.1	03.00	20.63 33.2
380 00	24.16 39.4	02.50	19.64 28.1	20.76 20.6	1321.07	20.76 20.6	19.63 28.1	03.00	20.40 30.4
381 00	22.30 34.0	03.00	20.34 28.1	21.46 20.6	1321.77	21.46 20.6		03.00	19.00 28.0
382 00	20.32 27.9	04.00		22.15 20.6	1322.46	22.15 20.6		02.00	17.35 30.2
383 00	19.19 31.6	03.00		22.85 20.6	1323.16	22.85 20.6		02.00	15.85 34.6
384 00	17.85 32.0	02.00		23.55 20.6	1323.86	23.55 20.6		02.00	14.30 39.1
385 00	18.50 40.1	02.00	17.50 38.1	24.25 20.6	1324.56	24.25 20.6		02.00	15.55 38.0
386 00	19.79 40.4	03.00	18.69 37.1	24.94 20.6	1325.25	24.94 20.6		02.00	17.09 36.3

STA	LT INT	SLOPE	LT F LINE	LT SHLDR	R/L	RT SHLDR	RT F LINE	SLOPE	RT INT
387 00	22.57 37.9	03.00	21.50 34.7	25.64 20.6	1325.95	25.64 20.6		03.00	20.71 35.4
388 00	26.39 36.7	03.00	24.49 31.0	26.34 20.6	1326.65	26.34 20.6	25.21 28.1	03.00	25.61 29.3
389 00	29.38 38.5	03.00	25.92 28.1	27.04 20.6	1327.35	27.04 20.6	25.91 28.1	03.00	27.61 33.2
389 50	30.78 39.4	02.50	26.26 28.1	27.38 20.6	1327.69	27.38 20.6	26.25 28.1	03.00	29.38 37.5
390 50	33.46 41.1	02.00	26.96 28.1	28.08 20.6	1328.39	28.08 20.6	26.95 28.1	03.00	30.71 39.4
391 00	34.56 42.6	02.00	27.31 28.1	28.43 20.6	1328.74	28.43 20.6	27.30 28.1	03.00	30.83 38.7
392 00	35.91 43.9	02.00	28.01 28.1	29.13 20.6	1329.44	29.13 20.6	28.00 28.1	03.00	30.76 36.4
393 00	34.61 39.9	02.00	28.71 28.1	29.83 20.6	1330.14	29.83 20.6	28.70 28.1	03.00	29.40 30.2
393 40	34.29 38.7	02.00	28.99 28.1	30.11 20.6	1330.42	30.11 20.6	30.11 20.6	10.42	29.88 23.0
394 00	34.32 40.4	02.50	29.40 28.1	30.52 20.6	1330.83	30.52 20.6		04.00	30.29 21.5
395 00	35.22 40.9	02.50	30.10 28.1	31.22 20.6	1331.53	31.22 20.6		10.00	30.16 27.4
395 58	34.99 39.3	02.50	30.51 28.1	31.63 20.6	1331.94	31.63 20.6	30.50 28.1	03.00	30.83 29.1
396 00	35.12 38.9	02.50	30.80 28.1	31.92 20.6	1332.23	31.92 20.6	30.79 28.1	03.00	31.29 29.6
397 00	35.86 39.0	02.50	31.50 28.1	32.62 20.6	1332.93	32.62 20.6	31.49 28.1	03.00	32.49 31.1
398 00	35.34 37.7	03.00	32.14 28.1	33.26 20.6	1333.57	33.26 20.6	32.13 28.1	03.00	33.60 32.5
399 00	35.53 37.3	03.00	32.47 28.1	33.59 20.6	1333.90	33.59 20.6	32.46 28.1	03.00	32.96 29.6
400 00	34.37 34.0	03.00	32.41 28.1	33.53 20.6	1333.84	33.53 20.6		04.00	31.43 29.0
401 00	31.93 36.2	03.00	30.80 32.8	33.10 20.6	1333.41	33.10 20.6		03.00	27.74 36.7
402 00	30.32 36.6	03.00	29.22 33.3	32.28 20.6	1332.59	32.28 20.6		02.00	24.28 36.6
403 00	30.88 30.8	03.00	29.98 28.1	31.10 20.6	1331.41	31.10 20.6		03.00	26.40 34.7

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STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
404 00	32.14	39.3	03.00	28.41	28.1	29.53	20.6	1329.84	29.53	20.6	28.40	28.1	03.00	28.57	28.6
405 00	31.53	38.2	02.00	26.48	28.1	27.60	20.6	1327.91	27.60	20.6	26.47	28.1	03.00	27.87	32.3
406 00	30.00	39.8	02.00	24.15	28.1	25.27	20.6	1325.58	25.27	20.6	24.14	28.1	03.00	27.30	37.6
407 00	30.91	47.0	02.00	21.46	28.1	22.58	20.6	1322.89	22.58	20.6	21.45	28.1	03.00	24.95	38.6
408 00	27.04	45.4	02.00	18.39	28.1	19.51	20.6	1319.82	19.51	20.6	18.38	28.1	03.00	20.68	35.0
409 00	22.84	43.9	02.00	14.94	28.1	16.06	20.6	1316.37	16.06	20.6			03.00	14.36	25.7
410 00	15.91	42.4	03.00	11.15	28.1	12.27	20.6	1312.58	12.27	20.6			03.00	10.07	27.2
411 00	11.79	41.2	03.00	07.33	28.1	08.45	20.6	1308.76	08.45	20.6	07.32	28.1	03.00	07.65	29.1
412 00	07.93	41.2	03.00	03.53	28.1	04.65	20.6	1304.96	04.65	20.6	03.52	28.1	03.00	04.19	30.1
413 00	02.68	35.8	03.00	00.12	28.1	01.24	20.6	1301.55	01.24	20.6			04.00	99.61	27.1
414 00	97.52	34.1	03.00	96.49	31.0	98.34	20.6	1298.65	98.34	20.6			03.00	95.04	30.5
415 00	94.37	36.6	03.00	93.40	33.7	95.92	20.6	1296.23	95.92	20.6			03.00	91.89	32.7
415 50	93.30	37.7	03.00	92.20	34.4	94.90	20.6	1295.21	94.90	20.6			03.00	91.17	31.8
416 06	91.79	39.7	03.00	90.69	36.4	93.89	20.6	1294.20	93.89	20.6			04.00	91.04	32.0
417 00	90.81	38.3	03.00	89.71	35.0	92.56	20.6	1292.87	92.56	20.6			04.00	89.61	32.4
418 00	90.15	38.9	03.00	88.82	34.9	91.64	20.6	1291.95	91.64	20.6			04.00	88.61	32.7
419 00	89.02	40.0	03.00	87.92	36.7	91.19	20.6	1291.50	91.19	20.6			04.00	88.39	31.8
420 00	88.03	39.8	03.00	87.03	36.8	91.25	20.6	1291.56	91.25	20.6	87.60	38.2	03.00	88.73	41.2
421 00	89.08	40.6	03.00	88.21	38.0	91.81	20.6	1292.12	91.81	20.6	89.31	33.6	03.00	90.31	36.6
422 00	91.37	37.0	03.00	90.30	33.8	92.85	20.6	1293.16	92.85	20.6	91.30	29.8	03.00	92.43	33.2

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
423 00	93.72	34.0	03.00	92.62	30.7	94.39	20.6	1294.70	94.39	20.6	93.26	28.1	03.00	96.09	36.6
424 00	95.98	35.7	03.00	94.51	31.3	96.43	20.6	1296.74	96.43	20.6	95.30	28.1	03.00	98.26	37.0
425 00	98.21	35.0	03.00	97.01	31.4	98.96	20.6	1299.27	98.96	20.6	97.83	28.1	03.00	00.96	37.5
426 00	99.85	37.8	03.00	98.62	34.1	01.95	20.6	1302.26	01.95	20.6	00.20	30.6	04.00	01.93	37.5
427 00	01.61	39.0	03.00	00.51	35.7	05.05	20.6	1305.36	05.05	20.6	02.70	33.0	04.00	03.85	37.6
428 00	04.41	39.2	03.00	03.41	36.2	08.15	20.6	1308.46	08.15	20.6	05.09	33.3	04.00	06.14	37.5
429 00	08.46	39.3	03.00	07.33	35.9	11.25	20.6	1311.56	11.25	20.6	08.69	31.8	04.00	09.82	36.3
430 00	12.32	39.8	03.00	10.72	35.0	14.35	20.6	1314.66	14.35	20.6	11.99	31.2	04.00	13.34	36.6
431 00	16.07	38.0	03.00	14.80	34.2	17.45	20.6	1317.76	17.45	20.6	15.28	30.6	04.00	16.46	35.3
432 00	19.99	36.8	03.00	18.32	31.8	20.37	20.6	1320.68	20.37	20.6	19.24	28.1	03.00	21.20	34.0
433 00	24.04	35.4	03.00	21.61	28.1	22.73	20.6	1323.04	22.73	20.6	21.60	28.1	02.50	25.84	38.7
434 00	27.08	37.3	02.50	23.40	28.1	24.52	20.6	1324.83	24.52	20.6	23.39	28.1	02.00	29.24	39.8
435 00	28.97	39.0	02.50	24.61	28.1	25.73	20.6	1326.04	25.73	20.6	24.60	28.1	02.00	31.15	41.2
436 00	30.86	39.3	02.00	25.26	28.1	26.38	20.6	1326.69	26.38	20.6	25.25	28.1	02.00	31.25	40.1
437 00	31.79	41.0	02.00	25.34	28.1	26.46	20.6	1326.77	26.46	20.6	25.33	28.1	02.00	31.18	39.8
438 00	30.75	39.9	02.00	24.85	28.1	25.97	20.6	1326.28	25.97	20.6	24.84	28.1	02.00	30.29	39.0
439 00	28.43	39.7	02.50	23.79	28.1	24.91	20.6	1325.22	24.91	20.6	23.78	28.1	03.00	26.71	36.9
440 00	25.29	40.6	04.00	22.16	28.1	23.28	20.6	1323.59	23.28	20.6	22.15	28.1	03.00	24.21	34.3
441 00	22.59	38.6	04.00	19.96	28.1	21.08	20.6	1321.39	21.08	20.6	19.50	29.9	03.00	20.53	33.0
442 00	18.72	33.5	04.00	17.37	28.1	18.49	20.6	1318.80	18.49	20.6	16.49	31.6	03.00	17.59	34.9

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
443 00	15.12	35.7	04.00	13.99	31.2	15.89	20.6	1316.20	15.89	20.6	13.19	32.2	03.00	14.32	35.6
444 00	12.47	36.3	04.00	11.29	31.6	13.29	20.6	1313.60	13.29	20.6	09.99	34.0	03.00	11.16	37.5
445 00	08.99	39.4	04.00	07.59	33.8	10.82	20.6	1311.13	10.82	20.6	07.39	34.4	03.00	08.72	38.4
446 00	06.18	38.9	04.00	05.10	34.6	08.59	20.6	1308.90	08.59	20.6	05.19	34.3	03.00	06.22	37.4
447 00	05.08	38.4	04.00	04.00	34.1	06.62	20.6	1306.93	06.62	20.6	03.19	34.4	03.00	04.69	38.9
448 00	03.02	39.3	04.00	01.99	35.2	04.89	20.6	1305.20	04.89	20.6	01.49	34.3	03.00	02.46	37.2
449 00	01.60	38.9	04.00	00.60	34.9	03.42	20.6	1303.73	03.42	20.6	99.89	34.7	03.00	00.86	37.6
450 00	01.07	36.7	04.00	99.99	32.4	02.19	20.6	1302.50	02.19	20.6	98.99	33.7	03.00	99.99	36.7
451 00	00.83	34.2	04.00	99.70	29.7	01.22	20.6	1301.53	01.22	20.6	98.09	33.5	03.00	99.42	37.5
452 00	01.22	36.1	04.00	99.29	28.4	00.49	20.6	1300.80	00.49	20.6	97.69	32.5	03.00	99.19	37.0
453 00	99.56	38.5	03.00	97.70	32.9	00.02	20.6	1300.33	00.02	20.6	96.49	34.7	03.00	97.62	38.1
454 00	97.10	38.2	03.00	96.10	35.2	99.79	20.6	1300.10	99.79	20.6	94.19	35.8	03.00	95.36	39.3
455 00	95.71	40.3	03.00	94.68	37.2	99.82	20.6	1300.13	99.82	20.6	93.52	37.2	03.00	94.52	40.2
456 00	95.71	40.3	03.00	94.68	37.2	99.82	20.6	1300.13	99.82	20.6	93.52	37.2	03.00	94.52	40.2
457 00	95.31	40.8	02.00	94.31	38.8	00.09	20.6	1300.40	00.09	20.6	92.84	39.1	02.00	93.84	41.1
458 00	97.10	40.9	03.00	96.00	37.6	00.49	20.6	1300.80	00.49	20.6	94.19	37.2	02.00	95.19	39.2
459 00	98.85	39.7	04.00	97.50	34.3	00.89	20.6	1301.20	00.89	20.6	95.79	37.1	03.00	96.72	39.9
460 00	01.42	39.3	04.00	99.39	31.2	01.29	20.6	1301.60	01.29	20.6	98.49	32.5	03.00	99.62	35.9
461 00	03.87	38.0	03.00	00.57	28.1	01.69	20.6	1302.00	01.69	20.6	00.56	28.1	03.00	02.86	35.0
462 00	04.80	39.6	03.00	00.97	28.1	02.09	20.6	1302.40	02.09	20.6	00.96	28.1	03.00	02.46	32.6

EQ

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STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
463 00	05.19	40.0	03.00	01.23	28.1	02.35	20.6	1302.66	02.35	20.6	01.22	28.1	03.00	02.39	31.6
464 00	05.49	41.2	03.00	01.13	28.1	02.25	20.6	1302.56	02.25	20.6	01.12	28.1	03.00	02.69	32.8
465 00	04.63	40.0	03.00	00.67	28.1	01.79	20.6	1302.10	01.79	20.6	00.66	28.1	03.00	02.42	33.4
466 00	03.36	38.6	03.00	99.86	28.1	00.98	20.6	1301.29	00.98	20.6	99.85	28.1	03.00	01.81	34.0
467 00	01.76	37.3	03.00	98.70	28.1	99.82	20.6	1300.13	99.82	20.6	98.69	28.1	03.00	00.69	34.1
468 00	99.93	33.6	02.00	97.18	28.1	98.30	20.6	1298.61	98.30	20.6	97.17	28.1	03.00	98.64	32.5
469 00	97.60	30.4	01.00	95.30	28.1	96.42	20.6	1296.73	96.42	20.6	95.29	28.1	03.00	95.89	29.9
469 50	97.56	31.4	01.00	94.26	28.1	95.38	20.6	1295.69	95.38	20.6	94.25	28.1	03.00	95.22	31.0
470 50	92.29	30.6	10.00			93.29	20.6	1293.60	93.29	20.6	92.16	28.1	03.00	92.39	28.8
471 00	91.23	30.7	10.00			92.24	20.6	1292.55	92.24	20.6			04.00	91.26	24.5

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1.42

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
522 00	75.04	28.8	10.00			76.23	20.6	1276.54	76.23	20.6	75.10	28.1	03.00	75.30	28.7
523 00	75.10	30.0	03.00	74.47	28.1	75.59	20.6	1275.90	75.59	20.6	74.46	28.1	03.00	76.36	33.8
524 00	76.89	37.3	03.00	73.83	28.1	74.95	20.6	1275.26	74.95	20.6	73.82	28.1	03.00	75.98	34.6
525 00	77.11	39.9	03.00	73.18	28.1	74.30	20.6	1274.61	74.30	20.6	73.17	28.1	03.00	76.30	37.5
526 00	76.86	40.7	03.00	72.66	28.1	73.78	20.6	1274.09	73.78	20.6	72.65	28.1	03.00	74.91	34.9
527 00	75.73	38.2	03.00	72.37	28.1	73.49	20.6	1273.80	73.49	20.6			04.00	71.71	27.7
528 00	72.80	37.4	03.00	71.20	32.6	73.45	20.6	1273.76	73.45	20.6			02.00	67.60	32.3
529 00	68.28	40.3	03.00	67.28	37.3	73.63	20.6	1273.94	73.63	20.6			04.00	70.13	34.6
529 37	66.45	35.2	02.00			73.75	20.6	1274.06	73.75	20.6			02.00	65.50	37.1
529 49	66.68	34.8	02.00			73.78	20.6	1274.09	73.78	20.6			02.00	66.33	35.5
530 00	68.54	31.4	02.00			73.94	20.6	1274.25	73.94	20.6			02.00	68.59	31.3
531 00	69.32	35.4	03.00			74.25	20.6	1274.56	74.25	20.6			02.00	68.40	32.3
532 00	68.95	31.8	02.00			74.55	20.6	1274.86	74.55	20.6			02.00	69.45	30.8
533 00	69.96	30.4	02.00			74.86	20.6	1275.17	74.86	20.6			02.00	70.11	30.1
533 60	69.49	31.7	02.00			75.04	20.6	1275.35	75.04	20.6			02.00	68.79	33.1
534 00	69.96	31.0	02.00			75.16	20.6	1275.47	75.16	20.6			02.00	68.11	34.7
535 00	70.07	31.4	02.00			75.47	20.6	1275.78	75.47	20.6			02.00	68.67	34.2
536 00	72.72	29.8	03.00			75.78	20.6	1276.09	75.78	20.6			02.00	72.83	26.5
537 00	73.05	29.7	03.00			76.08	20.6	1276.39	76.08	20.6			02.00	69.18	34.4
538 00	73.53	29.2	03.00			76.39	20.6	1276.70	76.39	20.6			02.00	71.09	31.2

1.42

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
539 00	73.20	31.1	03.00			76.70	20.6	1277.01	76.70	20.6			02.00	70.50	33.0
540 00	74.72	37.8	03.00	73.62	34.5	77.08	20.6	1277.39	77.08	20.6			03.00	72.92	33.1
541 00	76.24	35.5	03.00	75.21	32.4	77.97	20.6	1278.28	77.97	20.6			04.00	74.87	33.0
543 00	83.86	41.2	02.52	79.61	30.5	81.33	20.6	1281.64	81.33	20.6			04.00	79.68	27.2
544 00	86.74	40.2	03.00	82.71	28.1	83.83	20.6	1284.14	83.83	20.6	82.70	28.1	03.00	83.80	31.4
545 00	91.89	40.4	02.00	85.74	28.1	86.86	20.6	1287.17	86.86	20.6	85.73	28.1	03.00	88.63	36.8
546 00	95.58	40.8	02.00	89.23	28.1	90.35	20.6	1290.66	90.35	20.6	89.22	28.1	03.00	93.22	40.1
547 00	00.22	43.0	02.00	92.77	28.1	93.89	20.6	1294.20	93.89	20.6	92.76	28.1	02.00	98.06	38.7
548 00	03.63	42.9	02.00	96.23	28.1	97.35	20.6	1297.66	97.35	20.6	96.22	28.1	03.00	00.02	39.5
549 00	05.75	41.2	02.00	99.20	28.1	00.32	20.6	1300.63	00.32	20.6	99.19	28.1	03.00	01.45	34.9
550 00	06.49	37.9	02.00	01.59	28.1	02.71	20.6	1303.02	02.71	20.6	01.58	28.1	03.00	02.55	31.0
551 00	09.51	40.3	02.00	03.41	28.1	04.53	20.6	1304.84	04.53	20.6	03.40	28.1	03.00	05.96	35.8
552 00	11.54	41.2	01.90	04.66	28.1	05.78	20.6	1306.09	05.78	20.6	04.65	28.1	03.00	08.55	39.8
553 00	13.12	41.2	01.68	05.33	28.1	06.45	20.6	1306.76	06.45	20.6	05.32	28.1	03.00	08.58	37.9
554 00	11.57	41.2	02.16	05.50	28.1	06.62	20.6	1306.93	06.62	20.6	05.49	28.1	03.00	08.89	38.3
555 00	10.36	41.2	02.75	05.60	28.1	06.72	20.6	1307.03	06.72	20.6	05.59	28.1	03.00	07.82	34.8
556 00	08.43	36.3	03.00	05.70	28.1	06.82	20.6	1307.13	06.82	20.6	05.69	28.1	03.00	07.09	32.3
557 00	04.77	29.2	04.00			06.92	20.6	1307.23	06.92	20.6			03.00	02.36	34.3
558 00	02.49	34.2	03.00			07.02	20.6	1307.33	07.02	20.6			02.00	00.97	32.7
558 52	01.71	31.4	02.00			07.11	20.6	1307.42	07.11	20.6			02.00	01.41	32.0

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STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
559 00	01+94	38+7	02+00	01+09	37+0	07+29	20+6	1307+60	07+29	20+6	00+59	38+0	02+00	01+49	39+8
560 00	04+26	38+3	03+00	02+99	34+5	07+94	20+6	1308+25	07+94	20+6	02+49	35+5	03+00	03+59	38+8
561 00	07+07	35+6	03+00	06+10	32+7	08+96	20+6	1309+27	08+96	20+6	06+00	33+0	03+00	06+93	35+8
562 00	10+17	33+9	03+00	08+80	29+8	10+35	20+6	1310+66	10+35	20+6	09+00	29+0	03+00	10+27	32+8
563 00	13+25	34+9	03+00	10+99	28+1	12+11	20+6	1312+42	12+11	20+6	10+98	28+1	03+00	13+21	34+8
564 00	14+92	33+5	03+00	13+12	28+1	14+24	20+6	1314+55	14+24	20+6	13+11	28+1	03+00	16+41	38+0
565 00	16+01	32+9	03+00	15+01	29+9	16+58	20+6	1316+89	16+58	20+6	15+45	28+1	03+00	16+72	31+9
566 00	17+56	33+4	03+00	16+69	30+8	18+92	20+6	1319+23	18+92	20+6	17+29	29+0	03+00	18+46	32+5
567 00	21+54	32+3	03+00	20+14	28+1	21+26	20+6	1321+57	21+26	20+6	20+13	28+1	03+00	22+86	36+3
568 00	24+77	35+0	03+00	22+47	28+1	23+59	20+6	1323+90	23+59	20+6	22+46	28+1	03+00	26+06	38+9
569 00	27+08	35+8	03+00	24+52	28+1	25+64	20+6	1325+95	25+64	20+6	24+51	28+1	03+00	28+81	41+0
570 00	29+41	37+7	03+00	26+21	28+1	27+33	20+6	1327+64	27+33	20+6	26+20	28+1	02+70	31+05	41+2
571 00	30+98	38+5	03+00	27+52	28+1	28+64	20+6	1328+95	28+64	20+6	27+51	28+1	02+00	33+66	40+4
572 00	31+51	37+3	03+00	28+45	28+1	29+57	20+6	1329+88	29+57	20+6	28+44	28+1	02+00	33+74	38+7
573 00	32+02	37+1	03+00	29+02	28+1	30+14	20+6	1330+45	30+14	20+6	29+01	28+1	02+89	33+54	41+2
574 00	30+94	33+3	03+00	29+21	28+1	30+33	20+6	1330+64	30+33	20+6	29+20	28+1	03+00	31+73	35+7
575 00	29+23	25+4	04+00			30+43	20+6	1330+74	30+43	20+6	29+30	28+1	03+00	29+83	29+7
576 00	27+38	30+0	02+99			30+53	20+6	1330+84	30+53	20+6			04+00	27+93	31+0
577 00	25+43	31+0	02+00			30+63	20+6	1330+94	30+63	20+6			02+61	26+65	31+0
578 00	24+63	32+8	02+00			30+73	20+6	1331+04	30+73	20+6			02+00	25+13	31+8

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
579 00	23+97	41+2	00+91	22+98	40+3	30+83	20+6	1331+14	30+83	20+6	23+38	39+5	01+91	24+27	41+2
580 00	25+58	40+8	03+00	24+48	37+5	30+93	20+6	1331+24	30+93	20+6	23+98	38+5	02+00	25+18	40+9
581 00	25+95	39+6	03+00	25+02	36+8	31+12	20+6	1331+43	31+12	20+6	25+52	35+8	03+00	26+35	38+3
582 00	28+82	39+7	03+00	27+69	36+3	31+75	20+6	1332+06	31+75	20+6	28+01	33+7	03+00	29+24	37+4
583 00	32+17	34+5	03+00	31+00	31+0	32+85	20+6	1333+16	32+85	20+6	31+08	29+4	03+00	32+45	33+5
584 00	35+01	33+2	03+00	33+31	28+1	34+43	20+6	1334+74	34+43	20+6	33+30	28+1	03+00	35+20	33+8
585 00	37+87	35+9	03+00	35+27	28+1	36+39	20+6	1336+70	36+39	20+6	35+26	28+1	03+00	38+26	37+1
586 00	40+02	36+4	03+00	37+26	28+1	38+38	20+6	1338+69	38+38	20+6	37+25	28+1	03+00	40+18	36+9
587 00	42+28	37+2	03+00	39+25	28+1	40+37	20+6	1340+68	40+37	20+6	39+24	28+1	03+00	42+64	38+3
588 00	43+58	35+1	03+00	41+25	28+1	42+37	20+6	1342+68	42+37	20+6	41+24	28+1	03+00	44+34	37+4
589 00	44+91	33+1	03+00	43+24	28+1	44+36	20+6	1344+67	44+36	20+6	43+23	28+1	03+00	45+03	33+5
590 00	46+10	30+7	03+00	45+23	28+1	46+35	20+6	1346+66	46+35	20+6	45+22	28+1	03+00	47+22	34+1
591 00	48+52	32+0	03+00	47+22	28+1	48+34	20+6	1348+65	48+34	20+6	47+21	28+1	03+00	48+97	33+4
592 00	50+88	33+1	03+00	49+21	28+1	50+33	20+6	1350+64	50+33	20+6	49+20	28+1	03+00	51+53	35+1
593 00	53+24	34+2	03+00	51+21	28+1	52+33	20+6	1352+64	52+33	20+6	51+20	28+1	03+00	53+16	34+0
594 00	55+26	34+3	03+00	53+20	28+1	54+32	20+6	1354+63	54+32	20+6	53+19	28+1	03+00	55+55	35+2
595 00	57+89	36+5	03+00	55+09	28+1	56+21	20+6	1356+52	56+21	20+6	55+08	28+1	03+00	58+18	37+4
596 00	59+16	36+1	03+00	56+50	28+1	57+62	20+6	1357+93	57+62	20+6	56+49	28+1	03+00	59+49	37+1
597 00	60+13	36+4	03+00	57+37	28+1	58+49	20+6	1358+80	58+49	20+6	57+36	28+1	03+00	60+89	38+7
598 00	61+58	39+7	03+00	57+72	28+1	58+84	20+6	1359+15	58+84	20+6	57+71	28+1	03+00	61+51	39+5

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
599 00	62+93	38+9	02+00	57+53	28+1	58+65	20+6	1358+96	58+65	20+6	57+52	28+1	02+97	61+93	41+2
600 00	61+70	37+9	02+00	56+80	28+1	57+92	20+6	1358+23	57+92	20+6	56+79	28+1	03+00	60+09	38+0
601 00	60+94	38+9	02+00	55+54	28+1	56+66	20+6	1356+97	56+66	20+6	55+53	28+1	03+00	58+66	37+5
602 00	58+26	37+1	02+00	53+76	28+1	54+88	20+6	1355+19	54+88	20+6	53+75	28+1	03+00	57+05	38+0
603 00	55+44	36+1	02+00	51+44	28+1	52+56	20+6	1352+87	52+56	20+6	51+43	28+1	03+00	52+80	32+2
604 00	49+57	32+8	03+00	48+40	29+3	49+82	20+6	1350+13	49+82	20+6	46+79	33+2	03+00	47+86	36+4
605 00	45+12	38+2	03+00	44+02	34+9	47+61	20+6	1347+92	47+61	20+6	42+21	35+4	03+00	43+24	38+5
606 00	42+41	39+9	03+00	41+31	36+6	46+21	20+6	1346+52	46+21	20+6	39+01	39+0	02+00	39+96	40+9
607 00	40+02	40+8	03+00	39+02	37+8	45+62	20+6	1345+93	45+62	20+6	40+02	35+8	03+00	41+39	39+9
608 00	43+05	38+0	03+00	42+12	35+2	45+81	20+6	1346+12	45+81	20+6	40+61	35+0	03+00	41+71	38+3
609 00	46+45	32+1	03+00	45+12	28+1	46+24	20+6	1346+55	46+24	20+6	43+99	32+6	03+00	45+19	36+2
610 00	48+81	37+9	03+00	45+55	28+1	46+67	20+6	1346+98	46+67	20+6	45+54	28+1	03+00	47+60	34+3
611 00	50+28	36+7	02+00	45+98	28+1	47+10	20+6	1347+41	47+10	20+6	45+97	28+1	03+00	48+47	35+6
612 00	50+47	36+2	02+00	46+42	28+1	47+54	20+6	1347+85	47+54	20+6	46+41	28+1	03+00	48+81	35+3
613 00	50+48	39+0	03+00	46+85	28+1	47+97	20+6	1348+28	47+97	20+6	46+84	28+1	03+00	48+37	32+7
614 00	49+44	34+6	03+00	47+28	28+1	48+40	20+6	1348+71	48+40	20+6	47+27	28+1	03+00	47+67	29+3
615 00	48+91	31+7	03+00	47+71	28+1	48+83	20+6	1349+14	48+83	20+6			04+00	47+48	26+0
616 00	47+78	32+6	03+00	47+11	30+6	49+27	20+6	1349+58	49+27	20+6			04+00	47+04	29+5
617 00	48+21	32+8	03+00	47+51	30+7	49+70	20+6	1350+01	49+70	20+6			04+00	46+90	31+8
618 00	49+48	33+0	03+00	48+51	30+1	50+13	20+6	1350+44	50+13	20+6			04+00	48+38	27+6

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STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
619 00	49.22	28.9	10.00			50.57	20.6	1350.88	50.57	20.6			04.00	48.89	27.3
620 00	50.67	30.3	03.00	49.90	28.0	51.00	20.6	1351.31	51.00	20.6			04.00	49.60	26.2
621 00	51.44	31.6	03.00	50.27	28.1	51.39	20.6	1351.70	51.39	20.6	50.26	28.1	03.00	50.69	29.4
622 00	51.73	32.0	03.00	50.43	28.1	51.55	20.6	1351.86	51.55	20.6	50.42	28.1	03.00	51.65	31.8
623 00	52.20	33.6	03.00	50.37	28.1	51.49	20.6	1351.80	51.49	20.6	50.36	28.1	03.00	51.19	30.6
624 00	51.58	32.7	03.00	50.05	28.1	51.17	20.6	1351.48	51.17	20.6	50.04	28.1	03.00	50.61	29.8
625 00	50.16	30.1	03.00	49.49	28.1	50.61	20.6	1350.92	50.61	20.6			04.00	49.86	23.6
626 00	49.23	33.2	03.00	48.20	30.1	49.82	20.6	1350.13	49.82	20.6			04.00	47.84	28.5
627 00	47.98	33.8	03.00	47.01	30.9	48.83	20.6	1349.14	48.83	20.6			04.00	46.85	28.5
628 00	47.91	31.5	03.00	46.78	28.1	47.90	20.6	1348.21	47.90	20.6			04.00	46.12	27.7
629 00	46.49	33.4	03.00	45.49	30.4	47.19	20.6	1347.50	47.19	20.6			04.00	45.84	26.0
630 00	45.27	36.0	03.00	44.00	32.2	46.69	20.6	1347.00	46.69	20.6			04.00	44.14	30.8
631 00	44.63	35.0	03.00	43.70	32.2	46.39	20.6	1346.70	46.39	20.6			04.00	43.79	31.0
632 00	44.25	35.9	03.00	43.32	33.1	46.31	20.6	1346.62	46.31	20.6			04.00	43.48	31.9
633 00	46.00	35.1	03.00	44.60	30.9	46.42	20.6	1346.73	46.42	20.6			04.00	45.07	26.0
634 00	47.36	33.3	03.00	45.63	28.1	46.75	20.6	1347.06	46.75	20.6	45.62	28.1	03.00	45.89	28.9
635 00	47.99	33.6	03.00	46.16	28.1	47.28	20.6	1347.59	47.28	20.6			04.00	45.65	27.1
636 00	47.94	31.2	03.00	46.91	28.1	48.03	20.6	1348.34	48.03	20.6			04.00	45.38	31.2
637 00	46.95	35.2	03.00	46.12	32.7	48.98	20.6	1349.29	48.98	20.6			04.00	45.98	32.6
638 00	48.33	37.5	03.00	47.00	33.5	50.13	20.6	1350.44	50.13	20.6			04.00	47.45	31.3

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STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
639 00	49.88	35.4	03.00	48.81	32.2	51.50	20.6	1351.81	51.50	20.6			04.00	49.50	28.6
640 00	50.94	36.7	03.00	49.91	33.6	53.07	20.6	1353.38	53.07	20.6			04.00	51.22	28.0
641 00	50.96	35.4	02.00	50.21	33.9	54.86	20.6	1355.17	54.86	20.6			02.00	49.06	32.2
642 00	55.97	33.2	03.00	55.10	30.6	56.85	20.6	1357.16	56.85	20.6	55.72	28.1	03.00	56.32	29.9
643 00	57.31	27.5	04.00			59.04	20.6	1359.35	59.04	20.6			04.00	57.81	25.5
644 00	59.52	27.9	04.00			61.35	20.6	1361.66	61.35	20.6			04.00	59.77	26.9
645 00	62.22	26.4	04.00			63.67	20.6	1363.98	63.67	20.6			04.00	61.82	28.0
646 00	65.96	31.4	03.00	64.86	28.1	65.98	20.6	1366.29	65.98	20.6			04.00	64.45	26.7
647 00	69.78	35.9	03.00	67.18	28.1	68.30	20.6	1368.61	68.30	20.6	67.17	28.1	02.72	71.99	41.2
648 00	74.11	41.2	02.83	69.49	28.1	70.61	20.6	1370.92	70.61	20.6	69.48	28.1	03.00	71.88	35.3
648 58	73.83	37.1	03.00	70.83	28.1	71.95	20.6	1372.26	71.95	20.6	70.82	28.1	03.00	72.88	34.3
649 00	72.47	30.1	03.00	71.80	28.1	72.92	20.6	1373.23	72.92	20.6	71.79	28.1	03.00	74.52	36.3
650 00	74.36	24.7	04.00			75.39	20.6	1375.70	75.39	20.6	74.26	28.1	03.00	75.53	31.9
651 00	77.17	25.4	04.00			78.37	20.6	1378.68	78.37	20.6			04.00	76.72	27.2
651 82	78.99	29.5	04.00			81.22	20.6	1381.53	81.22	20.6	80.09	28.1	03.00	81.39	32.0
652 00	79.78	29.0	04.00			81.88	20.6	1382.19	81.88	20.6	80.75	28.1	03.00	82.18	32.4
653 00	81.43	34.1	03.00			85.93	20.6	1386.24	85.93	20.6	84.80	28.1	03.00	87.00	34.7
653 65	87.41	34.4	03.00	86.41	31.4	88.84	20.6	1389.15	88.84	20.6			04.00	86.54	29.8
653 69	88.54	30.0	03.00	87.91	28.1	89.03	20.6	1389.34	89.03	20.6			04.00	86.75	29.7
654 00	88.81	27.4	04.00			90.51	20.6	1390.82	90.51	20.6			04.00	87.76	31.6

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
655 00	94.50	28.1		94.50	28.1	95.62	20.6	1395.93	95.62	20.6	94.49	28.1	03.00	96.92	35.4
655 25	95.89	35.0	05.92	95.18	30.8	96.98	20.6	1397.29	96.98	20.6	95.85	28.1	01.63	98.86	33.0
656 00	99.83	29.1	10.00			01.10	20.6	1401.41	01.10	20.6			03.00	96.80	33.5
657 00	04.38	39.0	10.00			06.55	20.6	1406.86	06.55	20.6	05.42	28.1	07.87	04.29	37.0
658 00	13.91	39.2	03.00	10.21	28.1	11.33	20.6	1411.64	11.33	20.6	10.20	28.1	02.00	18.20	44.1
658 32	15.16	38.9	03.00	11.56	28.1	12.68	20.6	1412.99	12.68	20.6	11.55	28.1	02.00	21.50	48.0
659 00	14.29	28.5	03.00	14.16	28.1	15.28	20.6	1415.59	15.28	20.6	14.15	28.1	02.00	23.15	46.1
660 00	14.60	35.8	04.00			18.40	20.6	1418.71	18.40	20.6	16.00	31.3	03.00	16.93	34.1
660 53	17.12	29.0	03.25			19.71	20.6	1420.02	19.71	20.6	16.81	30.4	03.00	17.84	33.5
661 00	20.06	29.6	03.00	19.56	28.1	20.68	20.6	1420.99	20.68	20.6			02.00	12.58	36.8
662 00	30.26	41.2	01.42	21.01	28.1	22.13	20.6	1422.44	22.13	20.6	21.00	28.1	03.00	24.36	38.2
662 41	27.17	39.7	02.00	21.37	28.1	22.49	20.6	1422.80	22.49	20.6	21.36	28.1	02.00	26.21	37.8
663 00	23.35	33.1	03.00	21.68	28.1	22.80	20.6	1423.11	22.80	20.6	21.67	28.1	03.00	23.63	34.0
664 00	20.67	28.5	03.00			23.30	20.6	1423.61	23.30	20.6			04.00	20.92	30.1
MAR SH	20.80	32.0		11.80	27.5	11.86	13.8	1411.90	11.90	12.9	14.46	25.9		20.86	29.1
664 50	20.69	29.2	03.00			23.55	20.6	1423.86	23.55	20.6			04.00	20.95	31.0
MAR SH	20.68	29.8		13.88	26.4	10.97	13.2	1408.00	05.07	15.2	03.95	30.4		21.15	39.0
665 00	20.60	30.2	03.00			23.80	20.6	1424.11	23.80	20.6			04.00	21.02	31.7
MAR SH	20.57	36.3		09.37	30.7	05.98	15.4	1402.60	99.38	15.3	98.80	30.6		21.40	41.9
665 50	20.59	31.0	03.00			24.05	20.6	1424.36	24.05	20.6			04.00	21.05	32.6

501(9) 58-84

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
MAR SH	20+53	32+9		12+33	28+8	09+96	14+4	1407+60	06+50	14+7	11+33	29+5		21+13	34+4
666 00	20+27	32+7	03+00			24+30	20+6	1424+61	24+30	20+6			04+00	21+20	33+0
MAR SH	20+38	35+1		10+58	30+2	13+76	15+1	1417+00	10+83	10+7	19+80	21+5		21+00	22+1
667 00	22+94	35+8	10+00			24+83	20+6	1425+14	24+83	20+6	23+20	30+1	03+00	24+33	33+5
668 00	25+76	21+5	04+00			25+99	20+6	1426+30	25+99	20+6			04+00	23+64	30+0
669 00	27+88	31+0	03+00	26+91	28+1	28+03	20+6	1428+34	28+03	20+6			04+00	26+15	28+1
670 00	31+69	33+7	03+00	29+83	28+1	30+95	20+6	1431+26	30+95	20+6	29+82	28+1	02+00	34+97	38+4
671 00	36+92	38+1	03+00	33+59	28+1	34+71	20+6	1435+02	34+71	20+6	33+58	28+1	03+00	37+14	38+8
672 00	39+49	33+8	03+00	37+59	28+1	38+71	20+6	1439+02	38+71	20+6	37+58	28+1	02+00	42+88	38+7
673 00	40+79	34+5	03+00	40+02	32+2	42+71	20+6	1443+02	42+71	20+6	41+58	28+1	03+00	45+24	39+1
674 00	48+17	36+8	03+00	45+27	28+1	46+39	20+6	1446+70	46+39	20+6	45+26	28+1	02+00	52+11	41+8
675 00	52+31	40+7	03+00	48+11	28+1	49+23	20+6	1449+54	49+23	20+6	48+10	28+1	02+00	55+60	43+1
676 00	59+63	47+2	02+00	50+08	28+1	51+20	20+6	1451+51	51+20	20+6	50+07	28+1	02+00	62+67	53+3
676 77	67+02	60+1	02+00	51+02	28+1	52+14	20+6	1452+45	52+14	20+6	51+01	28+1	02+00	70+31	66+7
677 70	55+88	41+3	03+00	51+48	28+1	52+60	20+6	1452+91	52+60	20+6	51+47	28+1	03+00	52+97	32+6
678 50	49+34	29+8	03+00			52+40	20+6	1452+71	52+40	20+6			03+00	48+74	31+6
679 00	47+44	29+7	02+00			51+99	20+6	1452+30	51+99	20+6			02+00	44+99	34+6
680 00	44+79	32+1	02+00			50+54	20+6	1450+85	50+54	20+6			02+00	42+54	36+6
681 00	45+90	31+2	04+00			48+55	20+6	1448+86	48+55	20+6			02+00	41+90	33+9
682 00	51+33	39+9	02+00	45+43	28+1	46+55	20+6	1446+86	46+55	20+6			04+00	46+17	22+1

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
683 00	53+08	45+0	01+75	43+43	28+1	44+55	20+6	1444+86	44+55	20+6	43+42	28+1	03+00	46+35	36+9
684 00	42+46	30+9	03+00	41+53	28+1	42+65	20+6	1442+96	42+65	20+6			04+00	40+47	29+3
685 00	39+20	27+8	04+00			41+00	20+6	1441+31	41+00	20+6			02+00	35+20	32+2
686 00	32+43	34+9	02+00			39+58	20+6	1439+89	39+58	20+6			04+00	37+40	29+3
687 00	35+74	31+2	04+00			38+39	20+6	1438+70	38+39	20+6			04+00	35+56	31+9
688 00	34+40	32+8	04+00			37+45	20+6	1437+76	37+45	20+6			03+00	32+79	34+6
689 00	32+54	29+0	02+00			36+74	20+6	1437+05	36+74	20+6			04+00	34+46	29+7
690 00	30+47	32+2	02+00			36+27	20+6	1436+58	36+27	20+6			02+00	29+42	34+3
691 00	36+65	33+3	03+00	34+92	28+1	36+04	20+6	1436+35	36+04	20+6			03+00	31+58	34+0
692 00	42+55	43+6	02+00	34+80	28+1	35+92	20+6	1436+23	35+92	20+6	34+79	28+1	03+00	37+42	36+0
693 00	41+20	42+0	02+00	34+25	28+1	35+37	20+6	1435+68	35+37	20+6	34+24	28+1	03+00	37+57	38+1
694 00	38+19	38+3	02+00	33+09	28+1	34+21	20+6	1434+52	34+21	20+6	33+08	28+1	02+00	39+23	40+4
695 00	37+01	39+5	02+00	31+31	28+1	32+43	20+6	1432+74	32+43	20+6	31+30	28+1	02+00	37+45	40+4
696 00	31+83	36+8	03+00	28+93	28+1	30+05	20+6	1430+36	30+05	20+6	28+92	28+1	03+00	31+05	34+5
697 00	30+36	41+4	03+00	25+93	28+1	27+05	20+6	1427+36	27+05	20+6	25+92	28+1	03+00	28+05	34+5
698 00	28+12	39+7	02+00	22+32	28+1	23+44	20+6	1423+75	23+44	20+6	22+31	28+1	02+00	27+71	38+9
699 00	26+98	45+0	01+90	18+10	28+1	19+22	20+6	1419+53	19+22	20+6	18+09	28+1	02+00	28+34	48+6
700 00	13+56	24+0	04+00			14+41	20+6	1414+72	14+41	20+6			04+00	12+76	27+2
700 46	05+41	34+0	02+00			12+11	20+6	1412+42	12+11	20+6			02+00	06+66	31+5
701 00	03+07	33+3	02+00			09+42	20+6	1409+73	09+42	20+6			03+00	05+49	32+4

STA	LT INT		SLOPE	LT F LINE		LT SHLDR		R/L	RT SHLDR		RT F LINE		SLOPE	RT INT	
702 00	95+28	38+9	02+00			04+43	20+6	1404+74	04+43	20+6			03+00	00+27	33+1
702 72	98+65	29+3	04+00			00+83	20+6	1401+14	00+83	20+6	99+70	28+1	03+00	01+73	34+2
703 00	98+52	28+7	03+00	98+32	28+1	99+44	20+6	1399+75	99+44	20+6	98+31	28+1	03+00	01+27	37+0
704 00	92+55	28+2	04+00			94+45	20+6	1394+76	94+45	20+6	93+32	28+1	03+00	95+58	34+9
705 00	88+03	26+3	04+00			89+46	20+6	1389+77	89+46	20+6	88+33	28+1	03+00	88+93	29+9
706 00	84+85	32+6	03+00	83+35	28+1	84+47	20+6	1384+78	84+47	20+6	83+34	28+1	03+00	84+07	30+3
707 00	83+56	38+5	02+00	78+36	28+1	79+48	20+6	1379+79	79+48	20+6	78+35	28+1	02+00	84+95	41+3
708 00	80+13	41+2	01+94	73+37	28+1	74+49	20+6	1374+80	74+49	20+6	73+36	28+1	02+00	82+91	47+2
709 00	70+31	33+9	03+00	68+38	28+1	69+50	20+6	1369+81	69+50	20+6	68+37	28+1	02+00	73+97	39+3
710 00	64+69	32+0	03+00	63+39	28+1	64+51	20+6	1364+82	64+51	20+6	63+38	28+1	03+00	67+64	40+9
711 00	59+93	32+7	03+00	58+40	28+1	59+52	20+6	1359+83	59+52	20+6	58+39	28+1	03+00	62+52	40+5
712 00	53+64	28+8	03+00	53+41	28+1	54+53	20+6	1354+84	54+53	20+6	53+40	28+1	03+00	55+76	35+2
713 00	47+69	28+0	04+00			49+54	20+6	1349+85	49+54	20+6	48+41	28+1	03+00	48+71	29+0
714 00	43+63	25+9	04+00			44+96	20+6	1345+27	44+96	20+6	43+83	28+1	03+00	45+50	33+1
715 00	40+26	24+5	04+00			41+24	20+6	1341+55	41+24	20+6	40+11	28+1	03+00	43+34	37+8
716 00	35+25	30+0	03+00			38+38	20+6	1338+69	38+38	20+6	37+25	28+1	03+00	39+01	33+4
717 00	32+37	32+6	03+00			36+37	20+6	1336+68	36+37	20+6	34+50	29+7	03+00	35+60	33+0
718 00	30+61	34+4	03+00			35+21	20+6	1335+52	35+21	20+6	34+08	28+1	03+00	35+01	30+9
719 00	30+57	36+3	04+00			34+50	20+6	1334+81	34+50	20+6	33+37	28+1	03+00	35+90	35+7
719 31	30+85	34+3	04+00			34+28	20+6	1334+59	34+28	20+6	33+15	28+1	03+00	35+01	33+7

(9) 2105 59-89

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	60	84

SURVEY	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS	
NO.	AREAS CHECKED

A.A.J.	
W.R.P.	
G.D.J.	

12-62	
11-62	
4-62	

℄

STA. 76+25
REMOVE 1-18"X 34' R.C.C.P.
1-24"X 52' C.P. REQ'D.

STA. 56+33
REMOVE 1-30"X 30' R.C.C.P.
1-30"X 48' C.P. REQ'D.

STA. 40+69
REMOVE 1-30"X 30' R.C.C.P.
1-30"X 60' C.P. REQ'D.

STA. 31+08
REMOVE 1-2.5'X 2.2'X 26' CONC. BOX CULV.
1-36"X 52' C.P. REQ'D.

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
76+25			
	1360		
56+33			
	1380		
40+69			
	1360		
31+08			
	1380		
SHEET TOTAL			

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER - MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	61	84

YARDAGE

STATION	DISTANCE	EXCAVATION	FILL
191+33	1230		
173+00	1300		
169+98	1300		
81+00	1360		

STA. 191+33
48"X36" R.C.C.P. IN PLACE TO REMAIN
EXTEND - LT 20' & RT 22'
SKEW 14°00' R.H.F.

STA. 173+00
24"X46" C.P. REQ'D.
STA. 173+18
REMOVE 2'X1.5'X26' CONC. BOX CULV.

CONST. DITCH DAM
AT STA. 170+00

STA. 169+98
REMOVE 1-24"X30' RCCP
1-36"X22"X46' C.M.P.A. REQ'D.

STA. 81+20
REMOVE 11-2'X1.5'X26' CONC. BOX CULV.
STA. 81+00
-24"X48' C.P. REQ'D.

SHEET TOTAL

ORIGINAL SURVEY	SURVEYED	R.L.S.	3-62
	PLOTTED	C.D.J.	2-62
NOTE BOOK	PROFILE	A.J.J.	2-62
	AREAS	W.R.F.	2-62
NO.	AREAS CHECKED	S.D.M.	4-62

PROJECT
DESIGN
CHECKED

PLATE 3 CROSS SECTION O. P. R. S. R. E. STANDARD
100% RAG PAPER - MADE AND PRINTED IN U. S. A.
PAGE-DAVIS PRINTING COMPANY, INC.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	62	84

SURVEY: BORINGS, PROFILE, TEMPLATE, AREAS, CROSS SECTIONS CHECKED. NOTE BOOK: NO.

1-62	W.B.P.
2-62	B.D.E.
4-62	

STA. 456+60
REMOVE 1-24"X32' R.C.C.P.
1-24"X66' C.P. REQ'D.

STA. 419+40
REMOVE 1-30"X32' R.C.C.P.
2-50"X31"X60' C.M.P.A. REQ'D.

STA. 416+06
REMOVE 1-24"X30' R.C.C.P.
STA. 415+90
1-24"X58' C.P. REQ'D.

STA. 402+02
REMOVE 1-18"X30' R.C.C.P.
1-24"X70' C.P. REQ'D.

STA. 384+54
REMOVE 1-18"X30' R.C.C.P.
1-24"X74' C.P. REQ'D.

06.3

STA. 364+02
1-29"X18"X44' C.M.P.A. REQ'D.

06.5

STA. 330+83
REMOVE 1-3'X2.3'X26' CONC. BOX CULV.
1-36"X56' C.P. REQ'D.

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
456+60			
	1295		
419+40			
	1290		
415+90			
	1295		
402+02			
	1330		
384+54			
	1315		
364+02			
	1305		
330+83			
	1220		
SHEET TOTAL			

PLATE 3 - CROSS SECTION O.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3 MADE IN U.S.A.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	63	84

℄

STA. 615+31
REMOVE 1-24"X30" R.C.C.P.
-24"X66" C.P. REQ'D.

615+31
1350

STA. 606+32
REMOVE 1-24"X28" R.C.C.P.
-36"X56" C.P. REQ'D.

606+32
1340

STA. 578+78
REMOVE 1-24"X30" R.C.C.P.
1-24"X66" C.P. REQ'D.

578+78
1230

STA. 558+52
REMOVE 1-15"X26" R.C.C.P.
-24"X60" C.P. REQ'D.

558+52
1300

SHEET TOTAL

YARDAGE

STATION	DISTANCE	EXCAVATION	FILL

ORIGINAL SURVEY	BY	DATE
DRAWN	F.J.S.	9-61
PLOTTED	G.D.J.	2-62
TEMPLATE	A.R.E.	2-62
AREAS CHECKED	G.D.J.	4-62

NOTE POINT
NO.

PLATE 3-CROSS SECTION O.P.R.&R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	64	84

℄

STA. 679+84
REMOVE 1-24"X26" CM.C.P.
1-24"X66" C.P. REQ'D.

679+84
1440

STA. 665+71
REMOVE 1-18"X30" R.C.C.P.
1-30"X54" C.M.C.P. REQ'D.

665+71
1420

CONST. DITCH DAM
AT STA. 636+85

636+93.5
1350

STA. 636+93
REMOVE 1-30"X30' R.C.C.P.
1-50"X31"X52" C.M.P.A. REQ'D.

631+76
1350

STA. 631+76
REMOVE 1-18"X30' R.C.C.P.
1-24"X 55' C.P. REQ'D.

SHEET TOTAL

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL

PLATE 3 - CROSS SECTION O.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

K & E CO. NO. 345-3 MADE IN U.S.A. 24053

NOTE BOOK ____ NO. ____
AREAS CHECKED
TEMPLATE
PLOTTED
2-62
4-62
W.R.F.
O.D.F.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOT SHE
WIS. 4	S012(6)	65	8

STATION	DISTANCE	YARDAGE EXCAVATION
716+75		
	1330	
689+98		
	1430	
SHEET TOTAL		

STA. 716+75
-43"X27"X52' CM.PA. REM'D

STA. 689+98
REMOVE 1-15"X30' R.C.C.P.
1-24"X32' C.P. REM'D.

ORIGINAL SURVEY		BY	DATE
	SURVEYED	R.J.S.	3-62
	PLOTTED	A.D.J.	3-62
	HEIGHTS	W.R.E.	2-62
NOTE BOOK	AREAS	-	2-62
NO.	AREAS CHECKED	C.D.V.	4-62

FINAL SURVEY		
	SURVEYED	
	PLOTTED	
SCALE 1" =	TRIPLICATE	
NO.	AREAS CHECKED	

PLATE 3 - CROSS SECTION O.P.R.&R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	66	84

STATION	CHANNEL CHANGE	YARDAGE EXCAVATION	YARDAGE FILL
535+00			
1270			
532+00			
1270			
531+00			
1270			
530+00			
1270			
529+49.55			
1270			
529+13.75			
1270			
529+00			
1270			

67.0

66.8

66.5

66.0

64.0

64.0

64.0

SUBGRADE SHIELDLINE

SHEET TOTAL

NOTE BOOK
NO.
PLOTTED
PLATE
AREAS
AREAS CHECKED

DESIGN
DRAWN
TRACED
CHECKED
DATE
2-1-62

BRUNING NO. 604

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER — MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	67	84

539+00
270

538+00
270

537+00
270

536+00
270

535+00
270

534+00
270

533+00
270

CHANNEL CHANGE

STATION

DISTANCE

YARDAGE

EXCAVATION

FILL

70.0

69.5

69.0

68.5

68.0

67.5

67.1

SUBGRADE
SHLD. LINE

SHEET TOTAL

SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

SURVEYED	R.M.S.
PLOTTED	R.M.S.
TEMPLATE	A.W.
AREAS	W.R.F.
AREAS CHECKED	G.D.V.

SURVEYED	1-62
PLOTTED	1-62
TEMPLATE	1-62
AREAS	2-62
AREAS CHECKED	

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY, INC.

BRUNING NO. 604

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	SOI2 (6)	68	84

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	R. J. S.	9-61
NO.	PLOTTED	J.J.M.	1-62
	TEMPLATE	A.J.C.	2-16-62
	AREAS	W.R.F.	2-16-62
	AREAS CHECKED	E.W.S.	2-62

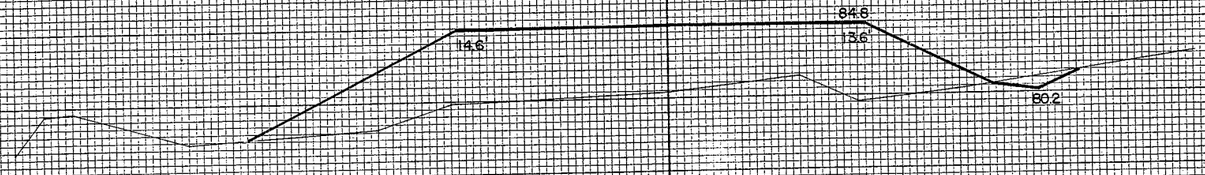
STATION	DISTANCE	YARDAGE EXCAVATION	FILL
9"B"+50			
1405			
	100		
9"B"+00			
1400			
	100		
8"B"+00			
1400			
	100		
7"B"+00			
1395			
	100		
6"B"+00			
1390			

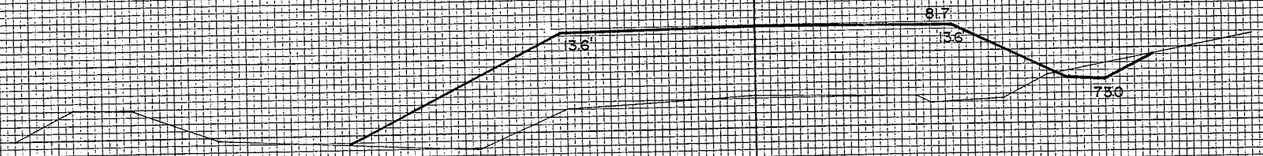
SECTION 11

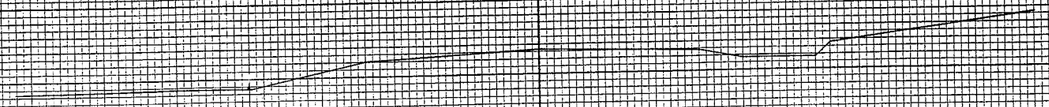
SHEET TOTAL

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	69	84

STATION	DISTANCE	YARDAGE EXCAVATION	FILL
9"C"+50	1380		
9"C"+00	1375		
8"C"+00	1370		
7"C"+00	1370		







SECTION 1

SHEET TOTAL

PLATE 3 - CROSS SECTION O.P.R.&R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

AREAS
LINES CHECKED
NO.
2 - 62

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	70	84

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK	TEMPLATE	
NO.	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED	R.J.S.	1-62
PLOTTED	J.J.M.	1-62
NOTE BOOK	A.J.L.	2-62
NO.	W.B.F.	2-62
	G.D.J.	2-62

12"D" + 00
1370

11"D" + 00
1370

10"D" + 50
1370

9"D" + 50
1365

9"D" + 00
1365

9"D" + 00
1360

7"D" + 00
1360

SECTION L

STATION

DISTANCE

YARDAGE

EXCAVATION

FILL

STA. 10"D" + 28
1-24" X 56' C.P. REQ'D
REMOVE 1-3'X2'X30' CONC. BOX CULV

STA. 10"D" + 27
REMOVE 1-3'X2'X30' CONC. BOX CULV

STA. 10"D" + 23
REMOVE 1-24"X30' R.C.P.

STA. 9"D" + 72
1-24" X 56' C.P. REQ'D

STA. 9"D" + 80
REMOVE 1-18"X32' R.C.C.P.

7.7
15.8'
68.6
714
16.2
684
709
15.6'
6.0
16.6
68.5
15.6
674

SHEET TOTAL

PLATE 3 - CROSS SECTION O.P.R.A.F.E. STANDARD

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	71	81

℄

57.8
13.6

14.5'

9"E"+50
1360

9"E"+00
1360

8"E"+00
1365

7"E"+00
1370

STATION | DISTANCE | YARDAGE: EXCAVATION | FILL

SECTION

SHEET TOTAL

AREAS CHECKED | G.D. J. | 2-6-62 | NO.

PLATE 3 - CROSS SECTION O.P.R. & R.E. STANDARD

KEUFFEL & ESSER CO. NEW YORK

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	72	89

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL
13"F"+00			
1280			
12"F"+00			
1285			
11"F"+00			
1290			
10"F"+50			
1295			

℄

92.9

13.5'

14.5'

STA. 10"F"+28
1-24"X52" C.M.C.P. REQ'D.

STA. 10"F"+16
REMOVE 1-24"X36" R.C.C.P.

SECTION 1

SHEET TOTAL

PLATE 3 - CROSS SECTION O.P.R.&R.E. STANDARD
KEUFFEL & ESSER CO.

FINAL SURVEY
BY
DATE

ORIGINAL SURVEY
BY
DATE

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	73	84

℄

STA 9"G"+72
1-18"X54" C.P. REQ'D.

50.5'
14.6'
15.6'

9"G"+50
1355

51.9'
13.6'
13.6'

9"G"+00
1355

8"G"+00
1350

7"G"+00
1350

STATION	DISTANCE	YARDAGE EXCAVATION	FILL

SECTION 1

SHEET TOTAL

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	74	84

SECTION 1

STATION	14"H" +00	13"H" +00	12"H" +00	11"H" +00	10"H" +50	9"H" +50	9"H" +00	8"H" +00	7"H" +00
DISTANCE	1320	1325	1330	1330	1330	1340	1340	1345	1350
YARDAGE EXCAVATION									
FILL									

34.7
13.6'
36.3
15.6'
37.3
14.8'
STA. 9"H"+72
I=18" X 36' C.P. REQ'D.
STA. 9"H"+77
REMOVE 1-1.5'X2.0'X35' CONC. BOX CULV.
13.6'
19.4.6'
15.6'

SHEET TOTAL

PLATE 3 - CROSS SECTION D.P.R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NOTE BOOK		
NO.	AREAS CHECKED	

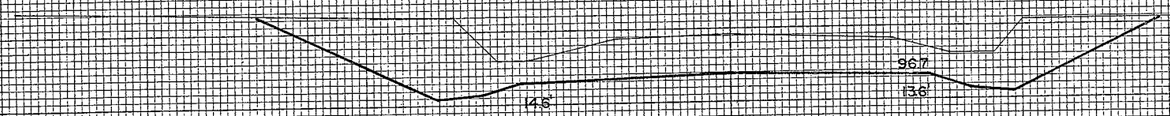
ORIGINAL SURVEY	BY	DATE
SURVEYED	R. J. S.	9-61
PLOTTED	J. H. M.	1-62
TEMPLATE	W. R. P.	1-62
AREAS	J. H. M.	2-62
NOTE BOOK		
NO.	AREAS CHECKED G. D. J.	2-62

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	95	84

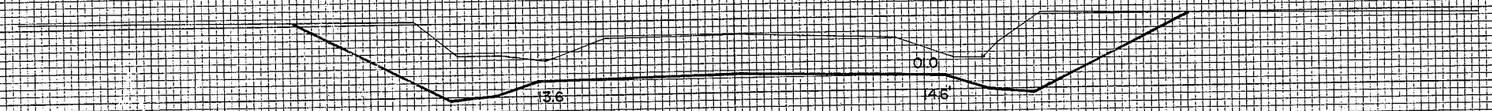
℄

STATION
DISTANCE
VARIOUS
EXCAVATION
FILL

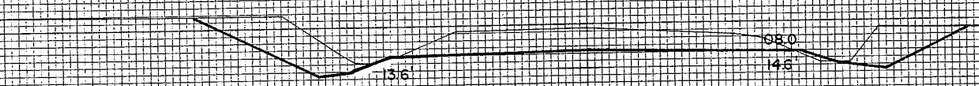
9"J" + 50
1300



9"J" +00
1300



8"J" + 00
1310



7"J" + 00
1315

SECTION 1

SHEET TOTAL

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	76	84

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED	R.J.S.	9-61
PLOTTED	A.J.M.	1-62
TEMPLATE	A.J.M.	2-62
NOTE BOOK	W.H.F.	2-62
NO.	G.D.J.	2-62
AREAS CHECKED		

℄

15"A"+00
1270

14"A"+00
1230

13"A"+00
1225

12"A"+00
1300

11"A"+00
1305

10"A"+50
1305

13.6'

04.0

3.6'

06.1

13.6'

4.6'

STATION	DISTANCE	YARDAGE EXCAVATION	YARDAGE FILL

SECTION 2

SHEET TOTAL

PLATE 3-CROSS SECTION O.P.R.&R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	77	84

℄

STATION	DISTANCE	YARDAGE EXCAVATION	FILL
9"B"+50	1330		
9"B"+00	1325		
8"B"+00	1320		
7"B"+00	1310		
6"B"+00	1305		
5"B"+00	1300		

27'
13.6'
4.6'

SECTION 2

SHEET TOTAL

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012(6)	78	84

℄

5"C"+00
310

14"C"+00
1305

13"C"+00
1300

12"C"+00
1295

95.6
13.6'
13.6'

11"C"+00
1290

93.4
13.6'
14.6'

10"C"+50
1290

STA. 10"C"+23
REMOVE 1-24"X36" R.C.C.P.

10"C"+23
1290

SECTION 2

SHEET TOTAL

YARDAGE
EXCAVATION | FILL

STATION | DISTANCE

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FINAL SURVEY
NOTE BOOK
PAGES

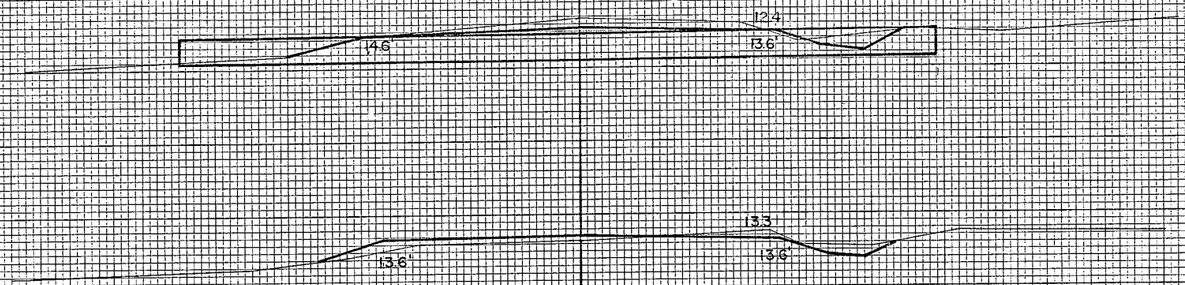
ORIGINAL SURVEY
SURVEYED
DRAWN
TRACED
NOTE BOOK
PAGES

BY	DATE
J H M	9-62
A J J	1-62
G D J	2-62
G D J	2-62

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	79	84

STA. 9"D"+80
REMOVE 1-24"X24" R.C.C.P.

STA. 9"D"+72
1-24"X52" C.P. REQ'D.



STATION	DISTANCE	YARDAGE EXCAVATION	FILL
9"D"+50	1310		
9"D"+00	1310		
8"D"+00	1315		
7"D"+00	1320		
6"D"+00	1320		
SECTION 2			
SHEET TOTAL			

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	80	84

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TRACED		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
	SURVEYED	R.J.S	9-61
	PLOTTED	J.H.M.	1-62
NOTE BOOK	TRACED	A.J.K.	1-62
	AREAS	W.R.F.	2-62
NO.	AREAS CHECKED	R.D.J.	2-62

SECTION 3

STATION	DISTANCE	YARDAGE EXCAVATION	FILL
13+00	100		
320			
12+00	100		
325			
11+00	100		
328			
10+50	50		
325			
29.8	45		
9+82			
325			
9+00	100		
330			
8+00	100		
330			
7+00	100		
330			
6+00	100		
330			
5+00	100		
330			

29.8
13.5'

29.9
16.5'

30.5
13.5'

13.5'

13.5'

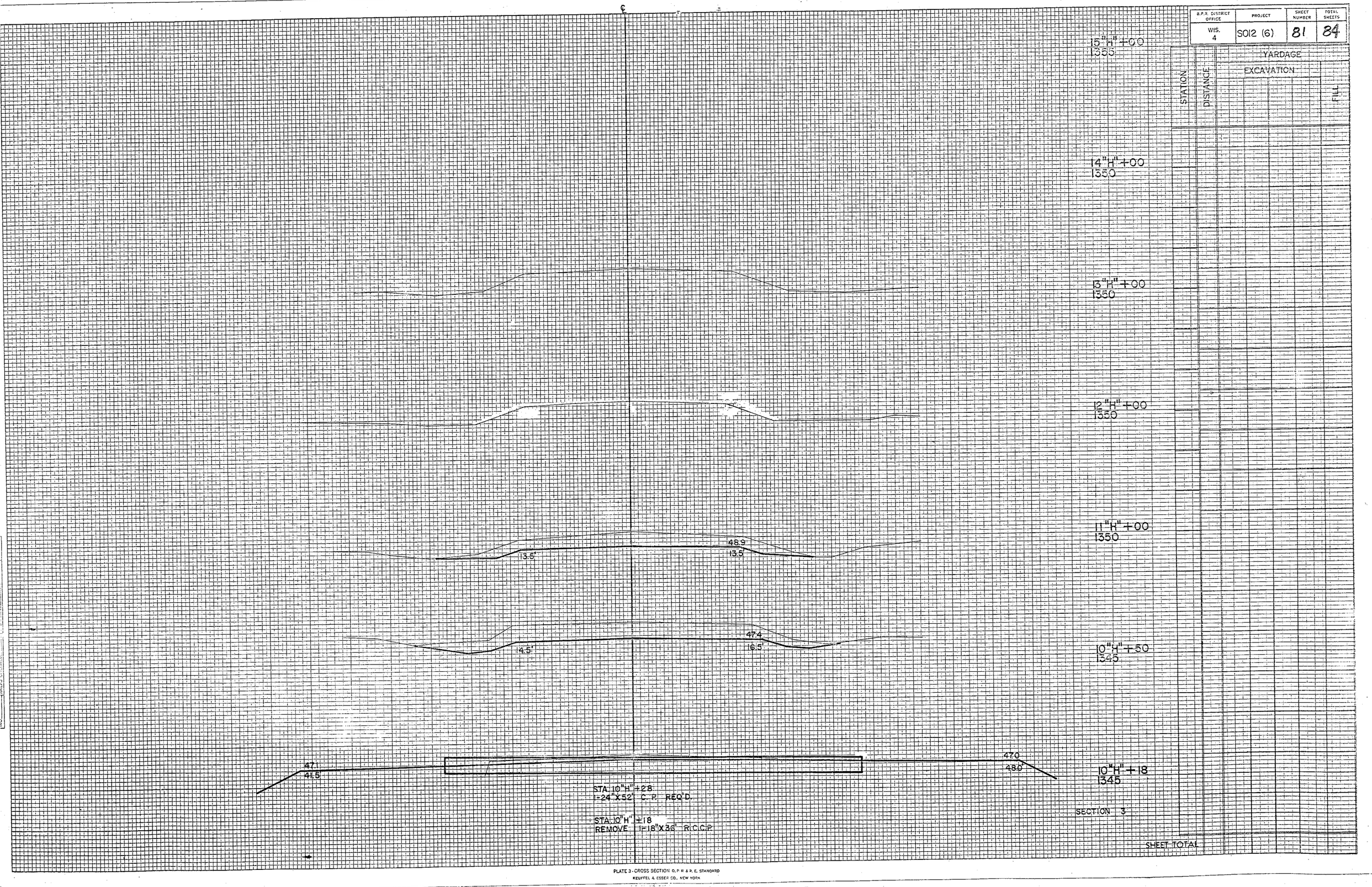
STA. 9+82 REMOVE 1-18" X 38' CMCP
STA. 9+75 1-24" X 58' C.P. RED'D

29.7
98.0'

SHEET TOTAL

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	81	84



STATION	DISTANCE	YARDAGE EXCAVATION	FILL

SECTION 3

SHEET TOTAL

PLATE 3 - CROSS SECTION O.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	82	84

SECTION 3	YARDAGE EXCAVATION
STATION	
DISTANCE	
FILL	

11"+63
1455

11"+00
1450

10"+50
1450

10"+31
1445

9"+50
1440

9"+00
1440

8"+00
1440

47
28.0

47.2
16.4

STA. 10"+32
REMOVE 1-18"X56' CP. REC'D.
46.4
14.3

44.1
13.5

14.0

STA. 10"+31
REMOVE 1-18"X20' C.M.C.P.

16.4

23.0

SHEET TOTAL

FINAL SURVEY

NOTE BOOK
NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

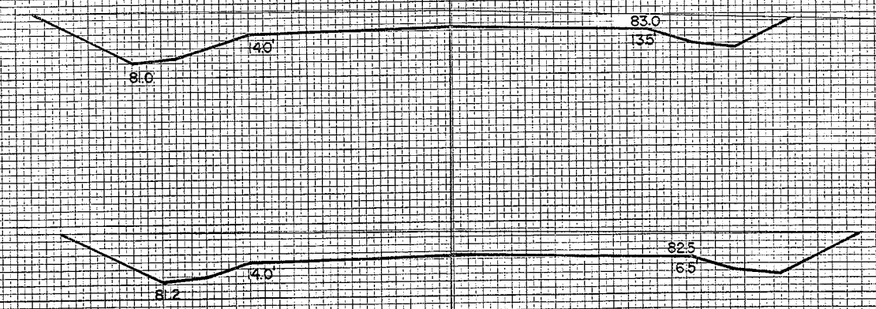
ORIGINAL SURVEY

NOTE BOOK
NO.

	BY	DATE
SURVEYED	R.L.S.	3-61
PLOTTED	J.H.M.	1-61
TEMPLATE	A.J.J.	2-62
AREAS	W.D.F.	2-62
AREAS CHECKED	D.D.F.	2-62

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	83	89

STATION	DISTANCE	YARDAGE EXCAVATION	FILL
13"J"+00	375		
12"J"+00	1380		
11"J"+00	1385		
10"J"+50	1385		



SECTION: 3

SHEET TOTAL

AREAS CHECKED

PLATE 3-CROSS SECTION O.P.R. & R.E. STANDARD

KEUFFEL & ESSER CO., NEW YORK

B.P.R. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 4	S012 (6)	84	84

FINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NOTE BOOK
NO.
BY
DATE

ORIGINAL SURVEY
SURVEYED R.L.S. 9-61
PLOTTED J.M.H. 1-62
TEMPLATE A.J.J. 1-62
AREAS CHECKED S.D.C. 2-62
NOTE BOOK
NO.
BY
DATE

13"K"+00
1285

12"K"+00
1280

11"K"+00
1280

10"K"+50
1280

9"K"+00
1280

8"K"+00
1280

7"K"+00
1280

STA. 9"K"+72
1-24"X52" C.P. REQ'D.

84.3
13.5'
13.5'

84.9
14.0'
16.5'

84.7
15.5'
15.5'

SECTION	DISTANCE	YARDAGE EXCAVATION	FILL

SECTION 3

SHEET TOTAL

PLATE 3 - CROSS SECTION O.P.R. & B.F. STANDARD